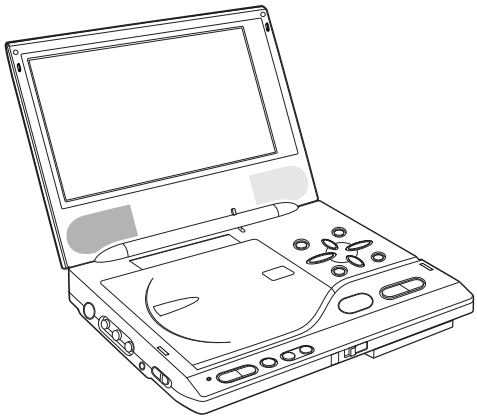
SHARP SERVICE MANUAL

S31R1DV-L88S/



PORTABLE DVD VIDEO PLAYER

MODELS DV-L88S/S(H) DV-L88W/W(A)

In the interests of user-safety (Required by safety regulations in some countries) the set should be restored to its original condition and only parts identical to those specified be used.

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SHARP CORPORATION

1. IMPORTANT SAFEGUARDS AND PRECAUTIONS

Note:
This Player can be used only where the power supply is AC 110V-240V, 50/60Hz. It cannot be used elsewhere.

CAUTION:

USE OF CONTROLS OR ADJUSTMENTS OR PERFORMANCE OF PROCEDURES OTHER THAN THOSE SPECIFIED HEREIN MAY RESULT IN HAZARDOUS RADIATION EXPOSURE.

AS THE LASER BEAM USED IN THIS PLAYER IS HARMFUL TO THE EYES, DO NOT ATTEMPT TO DISASSEMBLE THE CABINET. REFER SERVICING TO QUALIFIED PERSONNEL ONLY.

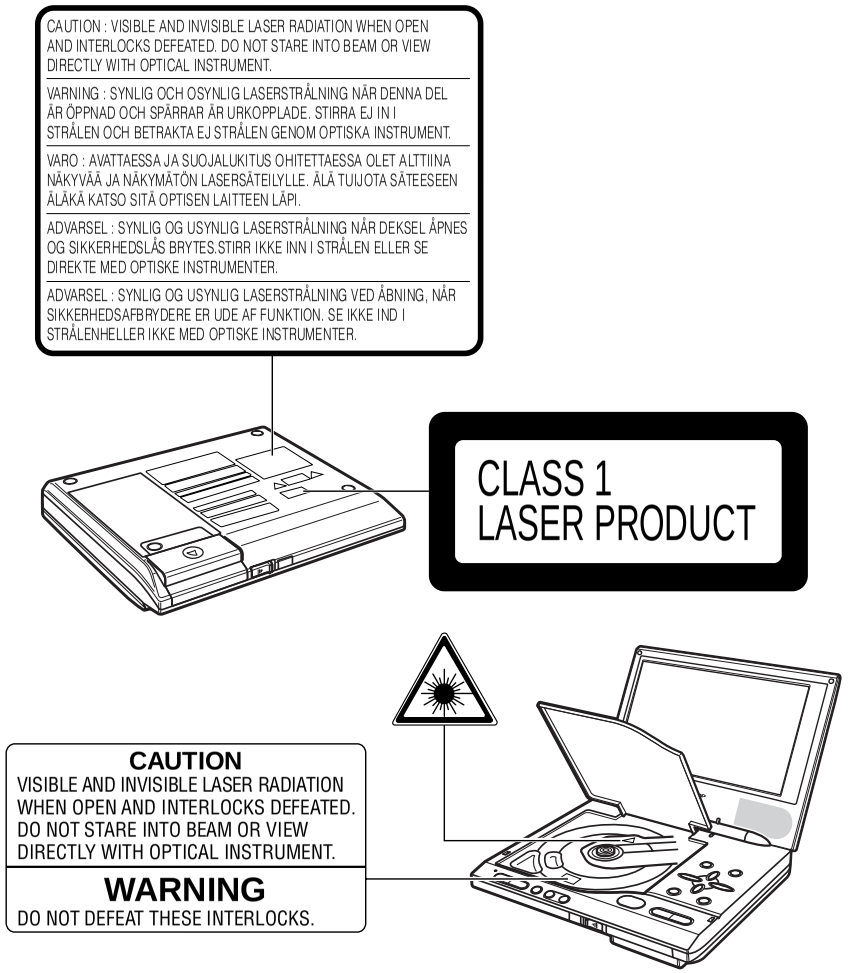
WARNING:

TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS PLAYER TO RAIN OR MOISTURE.

TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, AND ANNOYING INTERFERENCE, USE THE RECOMMENDED ACCESSORIES ONLY.

Laser Diode Properties	
for DVD disc Play	**for CD, Video CD disc Play**
Material: AlGaInP	**Material: AlGaAs**
Wave length: 650 nm	**Wave length: 780 nm**
Emission duration: Continuous	**Emission duration: Continuous**
Laser output: Max. 0.7 mW	**Laser output: Max. 0.7 mW**

- This Player is classified as a CLASS 1 LASER product.
- “CLASS 1 LASER PRODUCT” label is located at the bottom of the Player.
- The laser caution labels are located at the bottom of the Player and printed in the disc compartment.
- This product contains a low power laser device.
  To ensure continued safety do not remove any cover or attempt to gain access to the inside of the product. Refer all servicing to qualified personnel.


CAUTION : VISIBLE AND INVISIBLE LASER RADIATION WHEN OPEN AND INTERLOCKS DEFEATED. DO NOT STARE INTO BEAM OR VIEW DIRECTLY WITH OPTICAL INSTRUMENT.
VARNING : SYNLIG OCH OSYNLIG LASERSTRÅLNING NÄR DENNA DEL ÄR ÖPPNAD OCH SPÄRRAR ÄR URKOPPLADE. STIRRA EJ IN I STRÅLEN OCH BETRAKTA EJ STRÅLEN GENOM OPTISKA INSTRUMENT.
VARO : AVATTAESSA JA SUOJALUKITUS OHITETTAESSA OLET ALTTIINA NÄKYVÄÄ JA NÄKYMÄTÖN LASERSÅTEILYLLE. ÄLÄ TUIJOTA SÅTEESEEN ÄLÄKÄ KATSO SITÄ OPTISEN LAITTEEN LÄPI.
ADVARSEL : SYNLIG OG USYNLIG LASERSTRÅLNING NÅR DEKSEL ÅPNES OG SIKKERHEDSLÅS BRYTES.STIRR IKKE INN I STRÅLEN ELLER SE DIREKTE MED OPTISKE INSTRUMENTER.
ADVARSEL : SYNLIG OG USYNLIG LASERSTRÅLNING VED ÅBNING, NÅR SIKKERHEDSAFBRYDERE ER UDE AF FUNKTION. SE IKKE IND I STRÅLENHELLER IKKE MED OPTISKE INSTRUMENTER.
CLASS 1
LASER PRODUCT
CAUTION
VISIBLE AND INVISIBLE LASER RADIATION WHEN OPEN AND INTERLOCKS DEFEATED. DO NOT STARE INTO BEAM OR VIEW DIRECTLY WITH OPTICAL INSTRUMENT.
WARNING
DO NOT DEFEAT THESE INTERLOCKS.

⚠CAUTION
BEFORE BATTERY DESTROY

The RBRC™ Seal

SHARP participates in the RBRC™* Nickel-Cadmium Battery Recycling Program in the United States. The RBRC™ Seal on our battery pack contained in our product indicates that SHARP is voluntarily participating in an industry program to collect and recycle these batteries. The RBRC™ program provides you with a convenient alternative to placing spent Nickel-Cadmium battery packs into the trash or municipal waste stream, which is illegal in some areas. At the end of their useful life, the Nickel-Cadmium battery can be dropped off at the nearest collection center for recycling. For information on the nearest collection center, call 1-800-8-BATTERY or your local recycling center. If you are located outside the United States, contact your local authorities for information concerning proper disposal and/or recycling of this battery. SHARP's involvement in this program is part of our commitent to protecting our environment and conserving natural resources.

[Footnote] *RBRC™ is a trademark of the Rechargeable Battery Recycling Corporation.

■ NICKEL-METAL HYDRIDE BATTERY
■ LITHIUM or LITHIUM-ION BATTERY
■ SEALED LEAD BATTERY

Battery disposal

Contains the above Rechargeable Battery. must be recycled or disposed of properly.

Remove the Battery from the products and contact Federal or State Environmental Agencies for information on recycling and disposal options.

2. FEATURES

This Player can play back DVD video discs, VIDEO CDs and Audio CDs.

- CD-R/CD-RW recorded in MP3 file format can also be played.

8" LCD Screen and Stereo Speakers

- A big 8" LCD screen and built-in stereo speakers provide exciting DVD viewing, even without connecting to a TV.

2-WAY Power Supply

- A 2-way power supply allows operation using the supplied AC adapter for indoor play, or the battery pack (optional accessory) for outdoor play.

Compact, Lightweight Design

- Your Player is designed to go along just about anywhere.

High-Resolution Images, High-Quality Sound

- A high-resolution 336,960-pixel LCD screen produces images of outstanding quality.
- DIGITAL GAMMA correction and DIGITAL SUPER PICTURE provide more realistic image detail.
- VIRTUAL DOLBY (*1QSURROUND) ensures richer sound from two built-in speakers.

AV input/output, optical digital output jack equipped as standard

- An optical digital output jack (which doubles as the phones jack) can be used to output a stream of *2Dolby Digital 5.1 channel audio, *3DTS digital audio and MPEG audio. Connecting a Dolby Digital/DTS/MPEG Audio digital surround processor or amplifier to this jack creates an environment of amazingly powerful surround sound.
- The AV input/output jack can be used to connect a VCR or camcorder to your Player. Or you can use these jacks to connect to a TV for big-screen viewing.

*1 QSURROUND™ is a trademark of QSound Labs, Inc.
*2 Manufactured under license from Dolby Laboratories. "Dolby" and the double-D symbol (DD) are trademarks of Dolby Laboratories.
*3 "DTS" and "DTS Digital Surround" are trademarks of Digital Theater Systems, Inc.

3. SPECIFICATIONS

Product:	Portable DVD Video Player
Models:	DV-L88S/S(H)/W/W(A)
Signal System:	NTSC/PAL
Supported Disc Types:	DV-L88S/S(H): DVD (Region Number 2, ALL), VIDEO CD, Audio CD, CD-R, CD-RW
	DV-L88W/W(A): DVD (Southeast Asia: Region Number 3, ALL/Australia and New Zealand: Region Number 4, ALL), VIDEO CD, Audio CD, CD-R, CD-RW
Video Input/Output:	Input/Output Jack: Pin jack × 1
	Input/Output Levels: 1Vp-p (75Ω)
S-Video Input/Output:	Y Input/Output Level: 1Vp-p (75Ω)
	C Input/Output Level: 0.286Vp-p (75Ω)
	Input/Output Jack: S connector × 1
Audio Input/Output:	Input/Output Jack: Pin jack × 1
	Input/Output Levels: 1.7Vrms (1kHz, 0dB)
Digital Audio Interface:	Optical Digital Output: Mini jack (shared with Headphones Output)
Audio Output:	0.8W + 0.8W
Headphones Output:	Output Jack: Mini jack (stereo) (shared with Optical Digital Output)
Display:	Screen Size: 8 inches (99.2 (H) × 176.4 (W) mm)
	Type: Transmissive TN liquid crystal panel
	Drive: TFT (thin transistor) active matrix
	Pixels: 336,960 (234 (H) × 480 (W) × 3)
	Effective Pixel Rate: 99.99% minimum
Speakers:	Two 28mm round speakers
Light Source:	Internal (fluorescent)

Video Signal:	Horizontal Resolution: 500 lines (DVD)
	S/N Ratio: 60 dB
Audio Signals:	Frequency Characteristics:
	Linear PCM DVD: 4Hz to 22kHz (48kHz sampling)/
	4Hz to 44kHz (96kHz sampling)
	CD: 4Hz to 20kHz (EIAJ)
	(MPEG Audio Version 2.0)
	S/N Ratio: CD: 115dB 1kHz (EIAJ) (DV-L88S/S(H))
	CD: 96dB 1kHz (EIAJ) (DV-L88W/W(A))
	Dynamic Range: Linear PCM DVD: 96dB (EIAJ)
	CD: 96dB (EIAJ)
	Total Harmonic Distortion Ratio: 0.006% maximum (EIAJ)
Power Requirements:	AC Adapter: 10V DC
	Battery Pack: 7.4V DC
Power Consumption:	Main Power On: 16.5W average (12.5W without AC Adapter)
	Main Power Off: 0.1W (without AC Adapter)
	Standby mode: 1.1W (with AC Adapter)
Dimensions:	211 (W) × 174 (D) × 42.3 (H) mm
	(except for projections)
Weight (approx.):	930g
Operating Temperature:	5°C to 35°C
Operating Humidity:	80% RH maximum
Storage Temperature:	-20°C to 40°C

AC Adapter Specifications

Power Requirements:	110 to 240V AC, 50/60Hz
Rated Output:	DVD Operation: 10V DC
	Charging: 10V DC
Dimensions:	54 (W) × 98 (D) × 26.5 (H) mm
Weight (approx.):	120g

Battery Pack Specifications (Optional Accessory)

Model:	BT-L300S
Type:	Lithium-ion type
DC output:	7.4V
Capacity:	5100mAh
Operating temperature:	0°C to 40°C (charging: 10°C to 30°C)
Max. Dimensions:	59 (W) × 142.5 (D) × 20.5 (H) mm
	without protruding parts
Weight (approx.):	285g

Specifications are subject to change without notice.
Weight and dimensions are approximate.

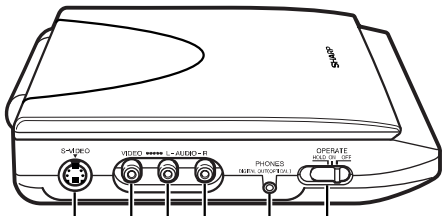
Digital Output (Linear PCM)
· The digital output format used in this Player is Linear PCM audio sampled at 44.1kHz or 48kHz.
Linear PCM sound for DVD discs sampled at 96kHz cannot be output digitally.
Check the disc jacket for information on the audio sampling used.

3-1. ACCESSORIES

Accessories: AC Cord x 1, CR2025 type lithium battery x 1, Remote Control Unit x 1, AC Adapter x 1, Lithium-ion Battery Pack x 1, Headphone x 1, Video/Audio Cable x 1 (DV-L88W/W(A)), Operation Manual x 1

4. PART NAMES

Player - Right side



S-VIDEO input/output jack

VIDEO input/output jack (yellow)
Only PAL signal can be input.
(NTSC signal cannot be input.)

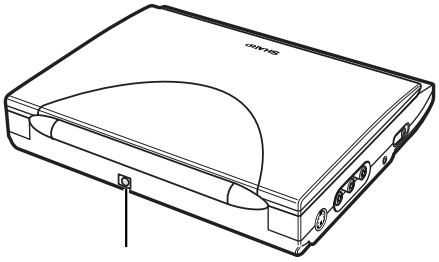
AUDIO (L) input/output jack (white)

AUDIO (R) input/output jack (red)

OPERATE switch

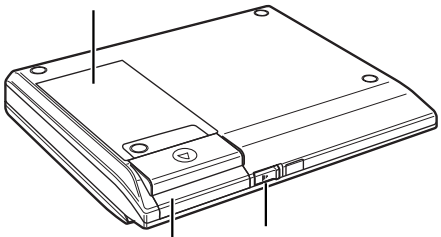
DIGITAL OUT (OPTICAL)/ PHONES jack

Player - Rear



DC IN jack

Player - Bottom

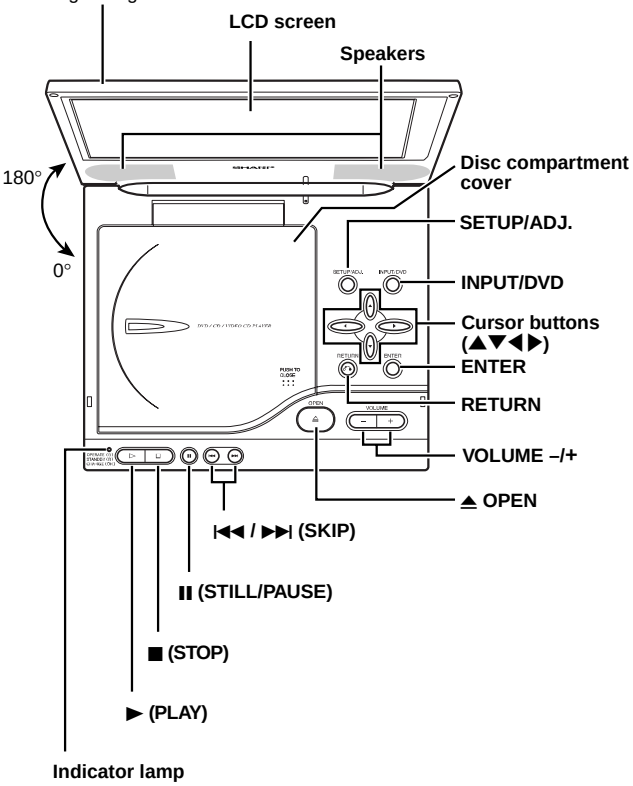


Battery pack compartment (inside)

"RELEASE" tab

Battery pack compartment cover

Player - Front



Display panel
angle range: 0°-180°

LCD screen

Speakers

180°

0°

Disc compartment cover

SETUP/ADJ.

INPUT/DVD

Cursor buttons (▲▼◀▶)

ENTER

RETURN

VOLUME –/+

▲ OPEN

|◀◀ / ▶▶| (SKIP)

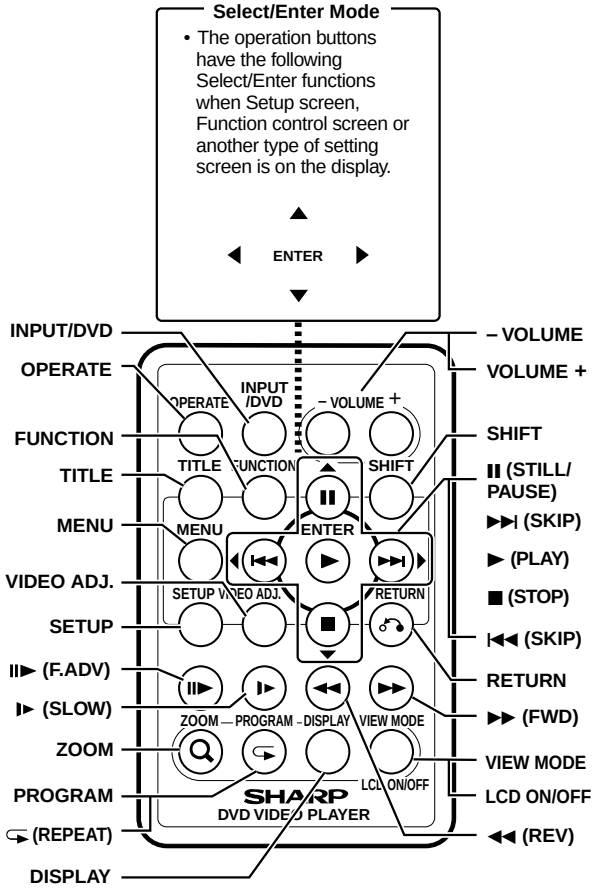
❚❚ (STILL/PAUSE)

■ (STOP)

▶ (PLAY)

Indicator lamp

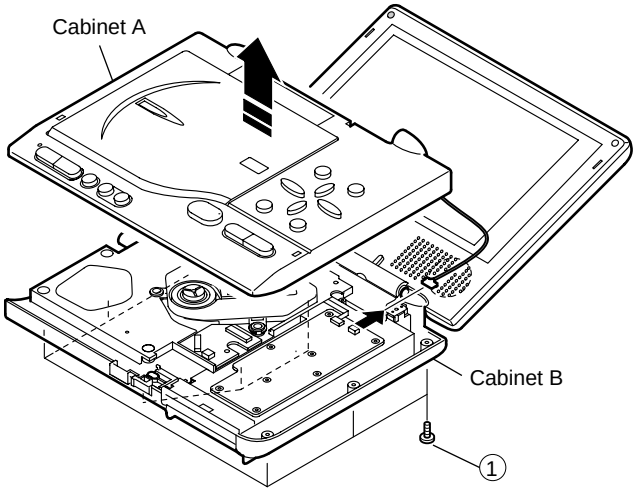
Remote Control Unit



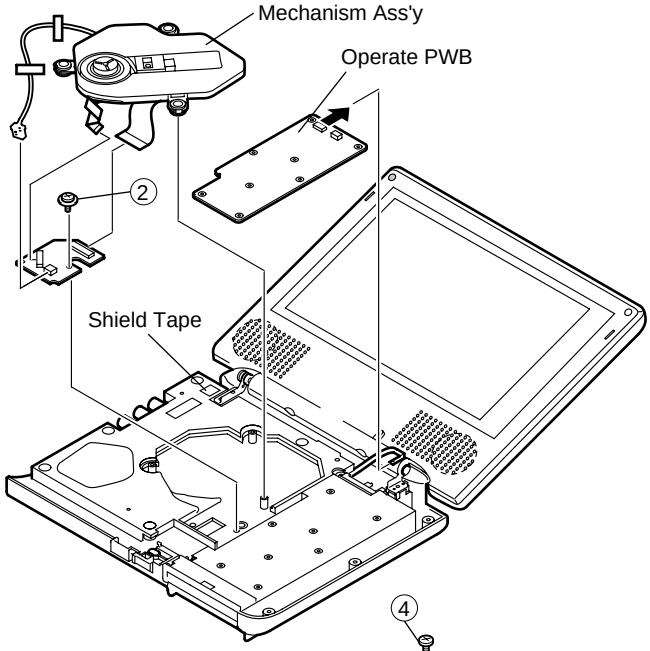
5. DISASSEMBLY METHOD

5-1. DISASSEMBLY METHOD

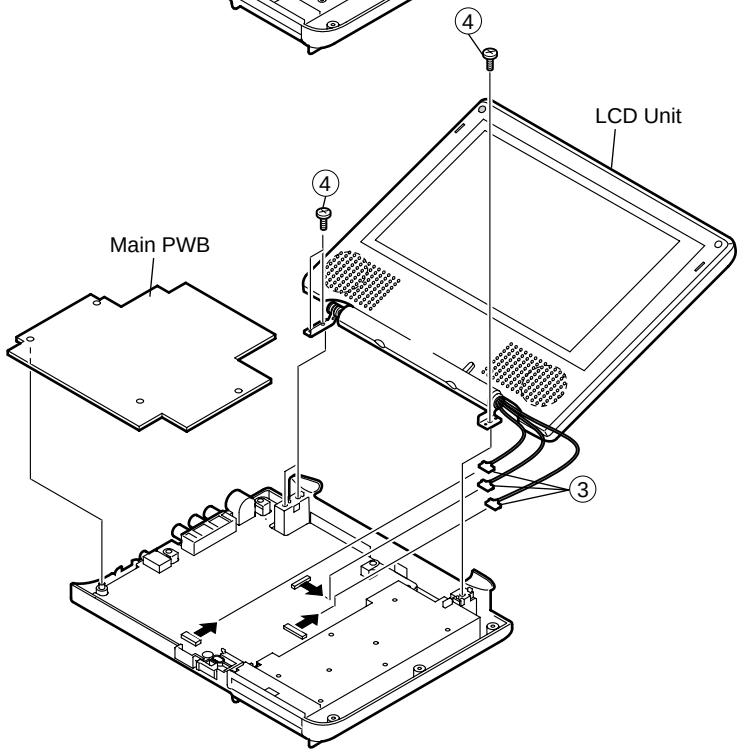
1. Remove the nine screws ①.
2. Remove the six screws and remove the battery cover.
3. Six screws of the operate PWB fixed are removed from the cabinet B bottom.
4. Lift the cabinet A, remove the connector.



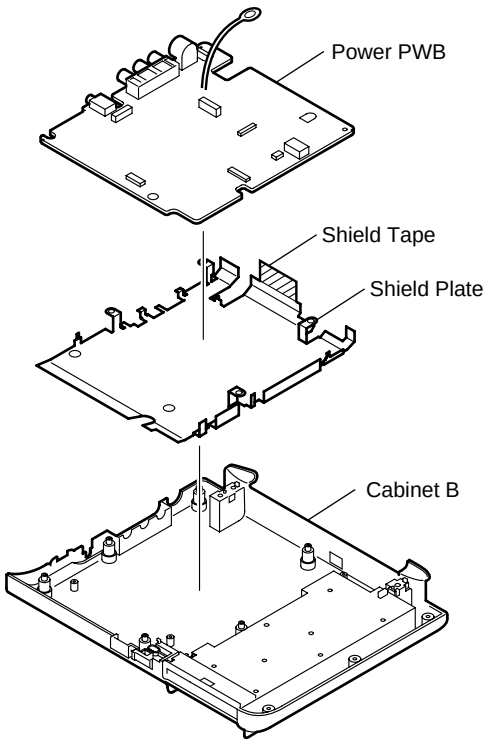
5. Remove the mechanism ass'y and operate PWB.
6. Remove the one screw ②.



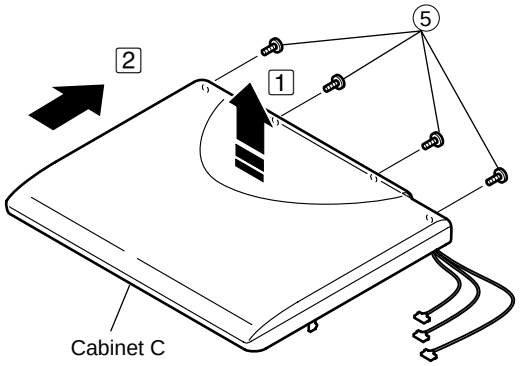
7. Remove the three connectors ③.
8. Remove the three screws ④.
9. Remove the LCD unit.
10. Remover the main PWB.



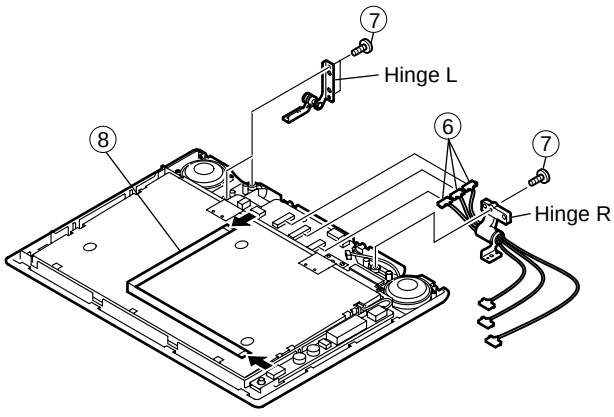
11. Remove the shield plate and power PWB from cabinet B.
12. Remove the power PWB and shield plate.
    (Partly fixed with solder.)



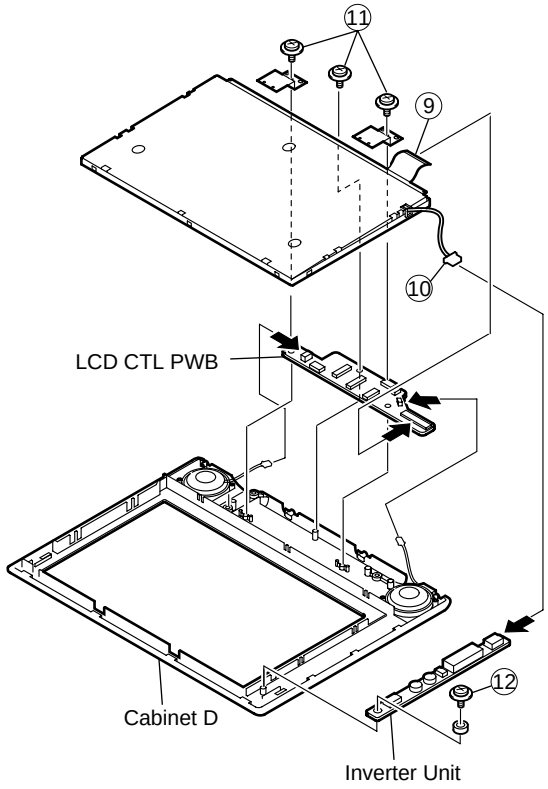
13. Remove the four screws ⑤.
14. Cabinet C is slided in the direction of [2], and lifted in the arrow direction of [1], and removed.



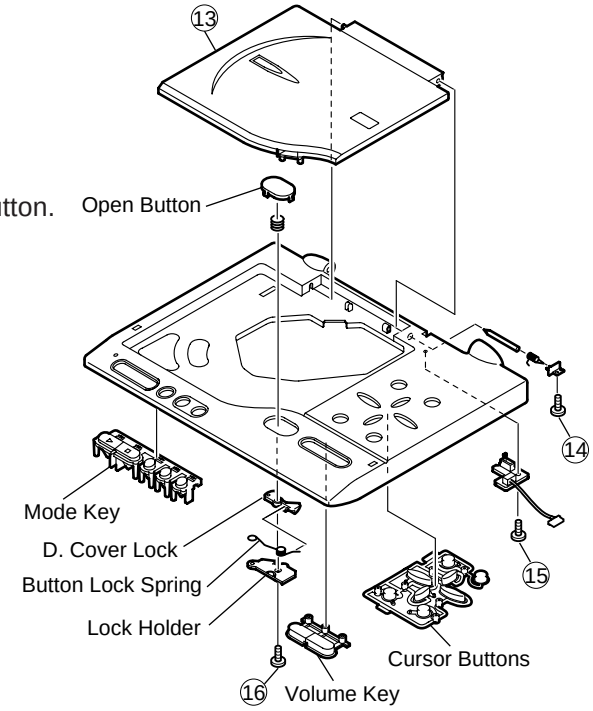
15. Remove the connectors ⑥ from the LCD PWB.
16. Remove the FFC ⑧ from the connector.
17. Remove the three screws ⑦, and remove the hinge L, R.



18. Remove the connectors ⑨ and ⑩.
19. Remove the three screws ⑪, and remove the LCD fixing angle.
20. Remove the LCD from the cabinet D.
21. Remover the LCD CTL PWB.
22. Remove the screw ⑫.
23. Remove the inverter unit.



24. Remove the one screw ⑭.
25. Remove the one screw ⑮.
26. Remove the disc cover ⑬ by pressing open button.
27. Remove the one screw ⑯.
28. Remover the lock holder, button lock spring and D. cover lock.
29. Remove the mode key, volume key, cursor buttons and open button.

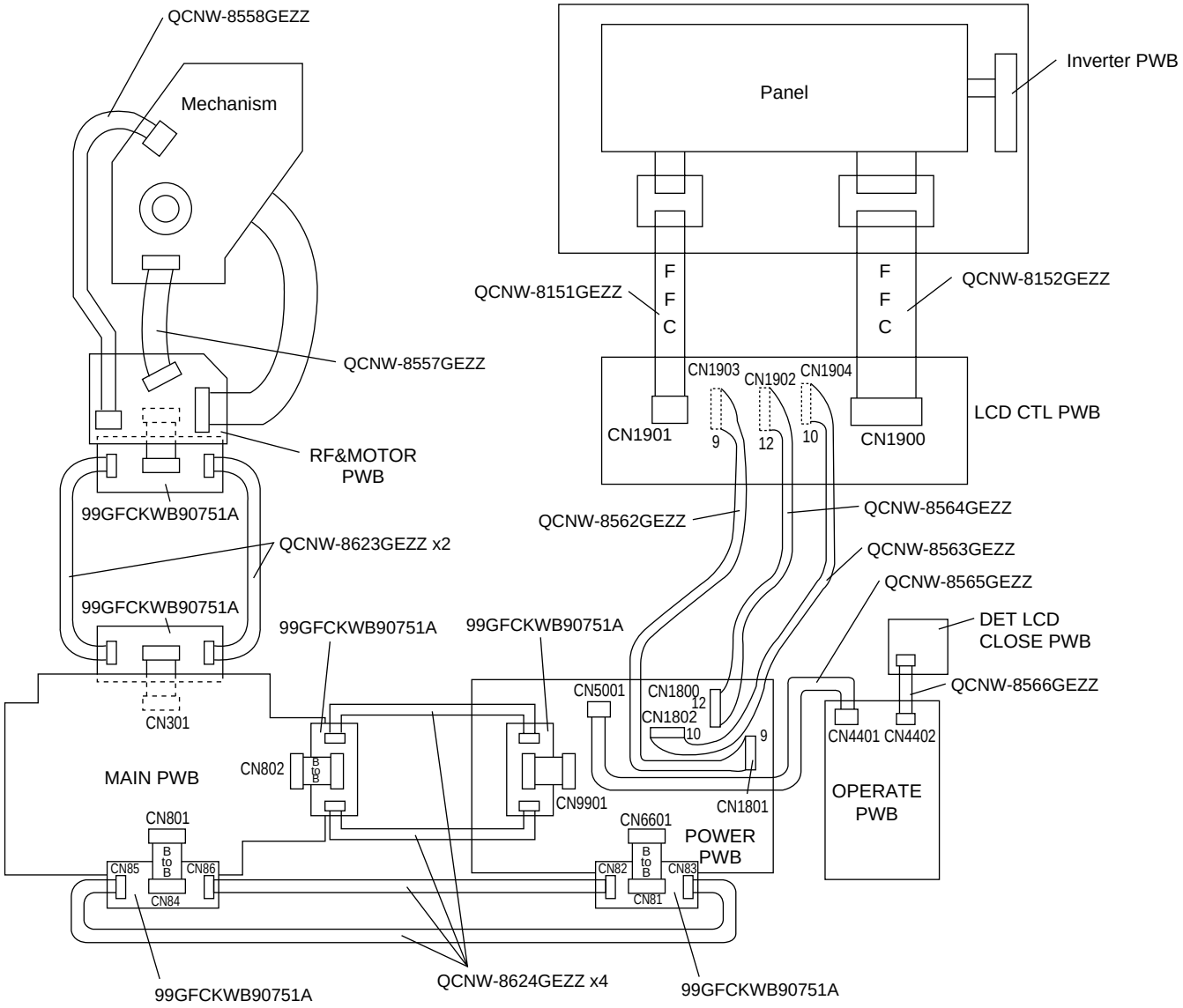


6. ADJUSTMENT METHOD

6-1. HARNESS LIST FOR SERVICE PARTS

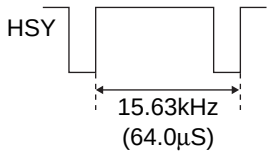
Parts Code	Price Code	Remarks	Parts Code	Price Code	Remarks
QCNW-8557GEZZ	AE	Spindle extension, 13-pin	QCNW-8566GEZZ	AD	Operate PWB extension, 2-pin
QCNW-8558GEZZ	AE	Sled extension, 2-pin	QCNW-8623GEZZ	AZ	Main-RF&Motor extension, 25-pin
QCNW-8562GEZZ	AK	Power-LCD extension, 9-pin	QCNW-8624GEZZ	AX	Main-Power extension, 15-pin
QCNW-8563GEZZ	AK	Power-LCD extension, 10-pin	99GFCKWB90751A	BX	————
QCNW-8564GEZZ	AK	Power-LCD extension, 12-pin	QCNW-8151GEZZ	AQ	Inverter extension, 6-pin
QCNW-8565GEZZ	AE	Operate PWB extension, 6-pin	QCNW-8152GEZZ	AQ	LCD panel extension, 32-pin

Drawing for service jigs



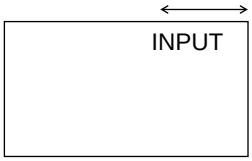
ADJUSTMENT PROCEDURE AND METHOD OF LCD PWB SIDE

Connect the LCD PWB to the jig for shipping adjustment.

Adjustment Item	Adjustment Menu	Adjustment Point	Signal/Setting	Adjustment Contents
①Free run adjustment	R1933 (VR)	Observe the 5PIN of TP1900 (HSY) with a frequency counter.	No input	Adjust so that the frequency becomes 15.63±0.1kHz (64.0µS). 
②Screen center adjustment	R1914(VR)	Visual observation of the panel.	Monoscope full screen. (625/25 or 525/30)	Adjust the screen so that it is located in the center.

[Caution] Do the image plane center adjustment of ② after you surely do free run adjustment of ①.
Image plane center deviates when adjustment is done in the reverse order.

CHECK ITEMS OF LCD PWB SIDE

Adjustment Item	Adjustment Point	Input Signal/Setting	Adjustment Contents
①Free run check	Check the panel visually by connecting to the checker.	External input (625/25)	Check that the horizontal movement of OSD is 2 mm or less when inputting a signal in the external input mode with no signal input. 

POWER PWB SIDE ADJUSTING PROCEDURE AND METHOD.

Connect the POWER PWB to the jig for shipping adjustment.
Supply the power in the condition that the “ENTER” and “STILL” keys are pressed at the same time and move to the special mode (SP MODE).
After that, get the initialize set by pressing the “PLAY” key. After setting, turn off the power once.
Supply the power again in the condition that the “ENTER” and “STILL” keys are pressed at the same time and after moving to the special mode (SP MODE), get the adjustment mode by pressing “INPUT/DVD” key.

Each operation in the adjustment mode changes as follows:

(1) Switch the adjustment block with the "VOLUME+" key input.

TV1 → OPT → BAT

(2) Perform paging of each adjustment block with the "RETURN" key.

TV1 → TV2 → TV3

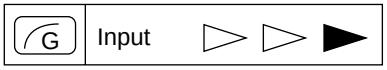
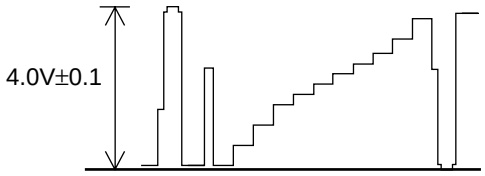
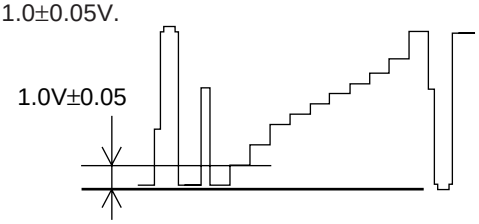
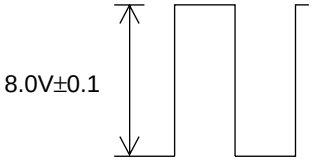
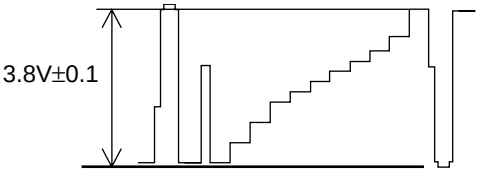
(3) Switch each adjustment item with the "VOLUME–" key input.

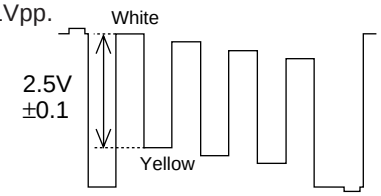
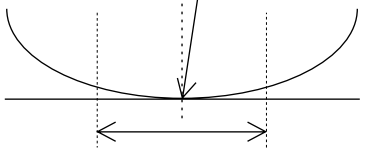
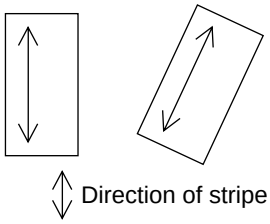
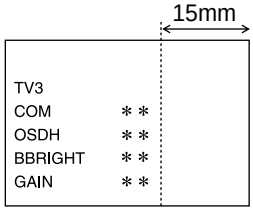
TV1 adjustment
GAM0 → SBRIGHT → GPOS → CONT

TV2 adjustment
WB-R → WB-B → SCOLOR → STINT

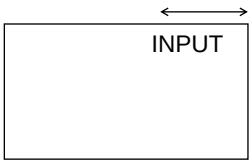
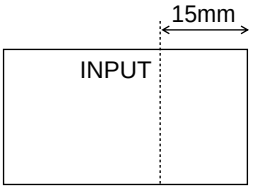
TV3 adjustment
COM → OSDH → BBRIGHT → GAIN

(4) Change each adjustment value with the left or right cursor key.

Adjustment Item	Adjustment Menu	Adjustment Point	Signal/Setting	Adjustment Contents
①Gamma setting check				Check that the gamma function of the body is on "level 2". 
②Contrast check	CONT			Check that CONT set value is "AB".
③RGB amplitude adjustment	GAIN	Connect the synchroscope to 2PIN (VG) of TP1900.	Black-and-white 10STEP	Adjust the Vpp(SYNC-SYNC) of VG to 4.0±0.1V. 
④Gamma 0 set value change	GAM0			The set value of GAM0 is changed from "50" to "56".
⑤Sub-bright adjustment	SBRIGHT	Connect the synchroscope to 2PIN (VG) of TP1900.	Black-and-white 10STEP	Adjust the 10% white part(SYNC-white 10%) to 1.0±0.05V. 
⑥Common amplitude adjustment	GPOS	Connect the synchroscope to 1PIN (COM) of TP1900.	Black-and-white 10STEP	Adjust the common amplitude to 8.0±0.1V. 
⑦Contrast adjustment	CONT	Connect the synchroscope to 2PIN (VG) of TP1900.	Black-and-white 10STEP	Adjust the 100% white part(SYNC-white100%) to 3.8±0.1V. 
⑧White balance adjustment (Red)	WB-R(Red)	Connect the synchroscope to 2PIN (VG) and 3PIN (VR) of TP1900.	Black-and-white 10STEP	Adjust the white balance (red) so that black level the equal of green and red output become equal. *Adjust the 30% white.
⑨White balance adjustment (Blue)	WB-B(Blue)	Connect the synchroscope to 2PIN (VG) and 4PIN (VB) of TP1900.	Black-and-white 10STEP	Adjust the white balance (blue) so that black level the equal of green and blue output become equal. *Adjust the 30% white.
⑩Burst clear adjustment	STINT	Connect the synchroscope to 4PIN (VB) of TP1900.	MOD10STEP [Another method] 100% colour bar	Adjusted so that the side muscle of the colour signal may become the smallest with seeing liquid crystal image plane. [Another method] Adjusted so that every horizontal term space may become the level which the swing level of yellow of the colour bar signal is the same as.

Adjustment Item	Adjustment Menu	Adjustment Point	Signal/Setting	Adjustment Contents
⑪Sub colour adjustment	SCOLOR	Connect the synchroscope to 4PIN (VB) of TP1900.	100% colour bar	Adjust the yellow amplitude of the colour bar signal (white level to yellow peak level) to 2.5±0.1Vpp. 
⑫Confrontation bias adjustment	COM	Specified adjustment jig (illuminometer) or visual observation	No input state Brightness: Center Perform it in a combination of PWB and the liquid crystal panel which will be supplied as products finally.	When using the specified adjustment jig Connect the output of jig to the oscilloscope and adjust the waveform to the minimum point. At this time, perform the adjustment several times to fix the optimal point because the measuring value hardly changes around the optimal point. (Type drawing) Optimal point  Adjust within the above range to fix the optimal point In case of visual adjustment Stand or tilt the panel as shown in the figure and check by shaking your head and seeing whether stripes appear. If the adjustment is improper, you will see stripes in the longitudinal direction. Perform the adjustment so that they do not appear.  Direction of stripe
			[Another method] Flicker signal generator "Example: BP1018 made by JFC"	[Another method] Externally input the signal shown left and adjust so that the cross bars become minimum by visually checking the screen.
⑬OSD position adjustment	OSDH	OSD character visual observation		The position of the adjustment value on the right end of the OSD character is adjusted to 15mm ± 2mm from the right end of the image plane. 
⑭Lighting control standard check	BBRIGHT			Check that the BBRIGHT is "76".

CHECK AND READJUSTMENT

Adjustment Item	Adjustment Menu	Adjustment Point	Signal/Setting	Adjustment Contents
①Free run check	R1933 (VR)	OSD character visual observation	External input (625/25)	Check that the horizontal movement of OSD position is 2mm or less when inputting a signal in the external input mode with no signal input. If it is more than 2 mm, adjust it so as to get 2 mm or less 
②Screen positon check	R1914 (VR)	Visual observation of panel	Monoscope full screen (625/25)	95% of the scales for the overcoat scanning confirmation confirm whether it can be seen with the right and left as well in the monoscope image plane. Center adjustment is done when a scale can't be seen.
③Luminance/ gradation check	GPOS	Comparison with the standard set	10STEP signal	Check whether the luminance and gradation of 10STEP signal are not different in comparison with the standard set. If they are different, adjust them so as to get equal to the standard set.
④Sub colour check	SBRIGHT	Comparison with the standard set		Check whether the depth of colour is not different in comparison with the standard set. If it is different, addjust it so as to get equal to the standard set.
⑤Sub tint check	STINT	Comparison with the standard set		Check wheter the tone is not different in comparison with the standard set. If it is different, adjust it so as to get equal to the standard set.
⑥OSD positon check	OSDH	OSD character visual observation	External input	Check the outside input mode, and it confirms that the character of INPUT of OSD is 15mm ± 2mm from the right end of the image plane. When it deviates, it is confirmed. 

BATTERY END VOLTAGE ADJUSTMENT

1. Initial setting
   (1) Power supply
   Input 6.15V±0.05V to the DVD battery.
   Note1) Set the voltage on the DC input jack PWB of the main unit to the value specified above in the condition of DVD start-up (LCD lit).
   Note 2) Check the voltage with a calibrated measuring instrument. In case that drift is worried, check the voltage periodically.

2. Battery end voltage adjusting procedure and method
   (1) Select the battery detection error compensation adjustment mode.
   ① Turn on the main power switch on while pressing the “UP” “DOWN” keys of the main unit at the same time.
   ② Press the mode selection key.
   ③ Press the sound volume down button twice to enter the battery adjusting screen.
   ④ With button changing button, make the cross key to the cursor mode. (With 70 type remote controller, the cursor key can be used for operation as it is.)
   (2) Adjust with the right and left key so that the “BAT” value displayed on the LCD becomes “0”.

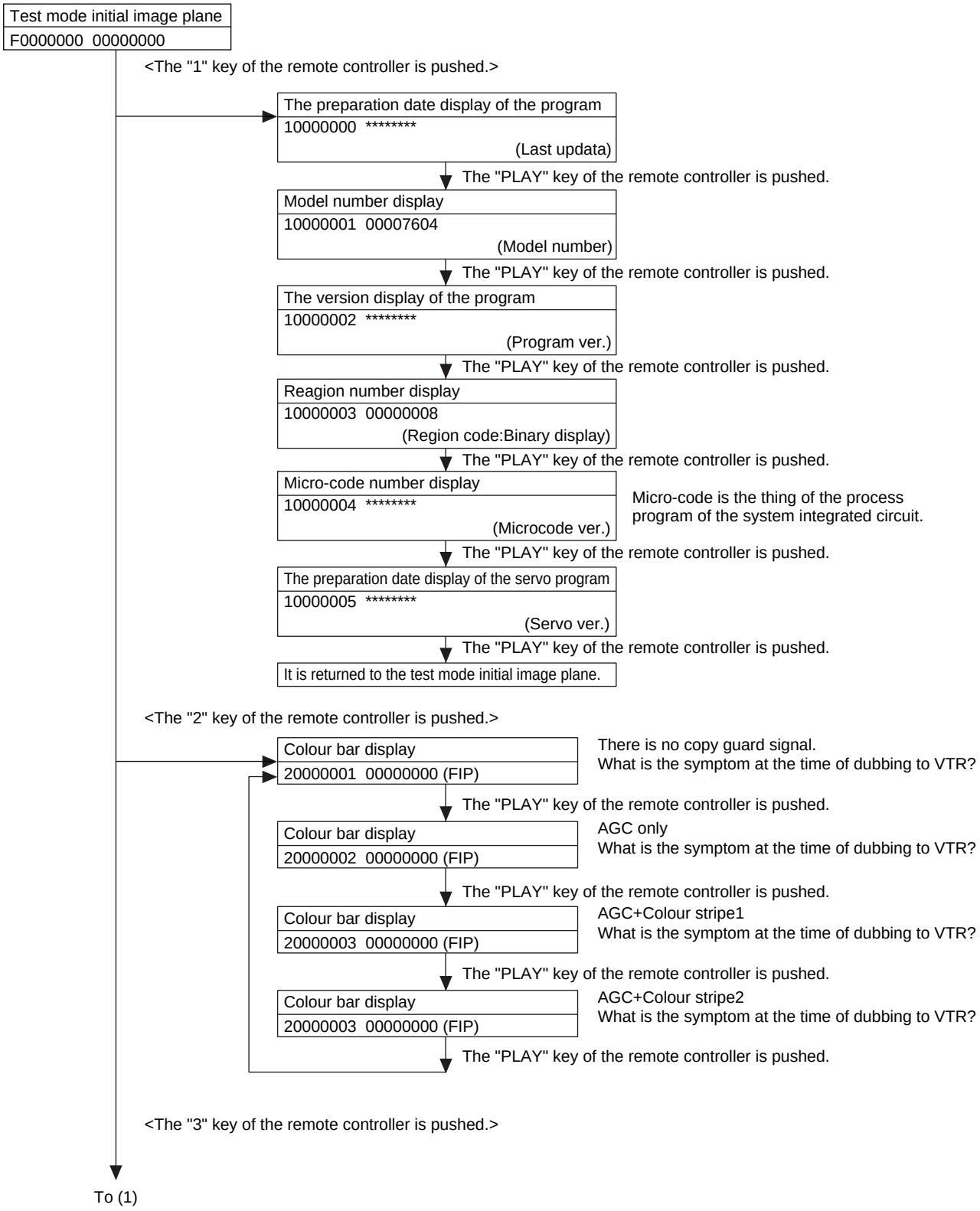
No.	Item	Checked place	Checking method	Standard, condition	Remarks
1	S image Y output	S terminal	1. Play the test disc TDV - 581A. 2. Check the Y output with an oscilloscope.	1Vp-p ± 0.15Vp-p	S terminal Y output Measure at 75Ω termination.
2	S image C output	S terminal	1. Play the test disc TDV - 581A. 2. Check the C output with an oscilloscope.	0.286Vp-p ± 0.15Vp-p	S terminal C output Measure at 75Ω termination.
3	Error rate check	Display	1. Press the STOP key and the PLAY key of the main unit key at the same time and check the error rate displayed on the display.	V-CD:TDV-581A 20/4 DVD:TV-501 38/76	When playing back.
4	Flash memory check	Display	1. Press the return key and the VOL-UP key of the main unit key at the same time. Transmit the numeric number key of R/C (1), next transmit play to check the model name and the region code, and transmit play again to check the software Ver.	Model name of the software Region code Software Ver.	When NO DISC.
5	Sound level check	Audio output L/R	Play the title 49, chapter 1AC - 320 mode of the test disc TV - 501 to check the sound output level.	1.35Vrms ± 0.3Vrms	
6	Digital sound output check	Digital sound output	Connect the digital surround processor to the digital sound output and play the VCD to check the sound output from the digital surround processor.	The sound from the digital surround processor must be played properly.	
7	Distorted disc playback check	Played image	Play the test disc TDV - 533 to check the played image on the monitor screen.	It must be normally played. * No EJECT, rickety play or staying in LOAD condition are allowed.	

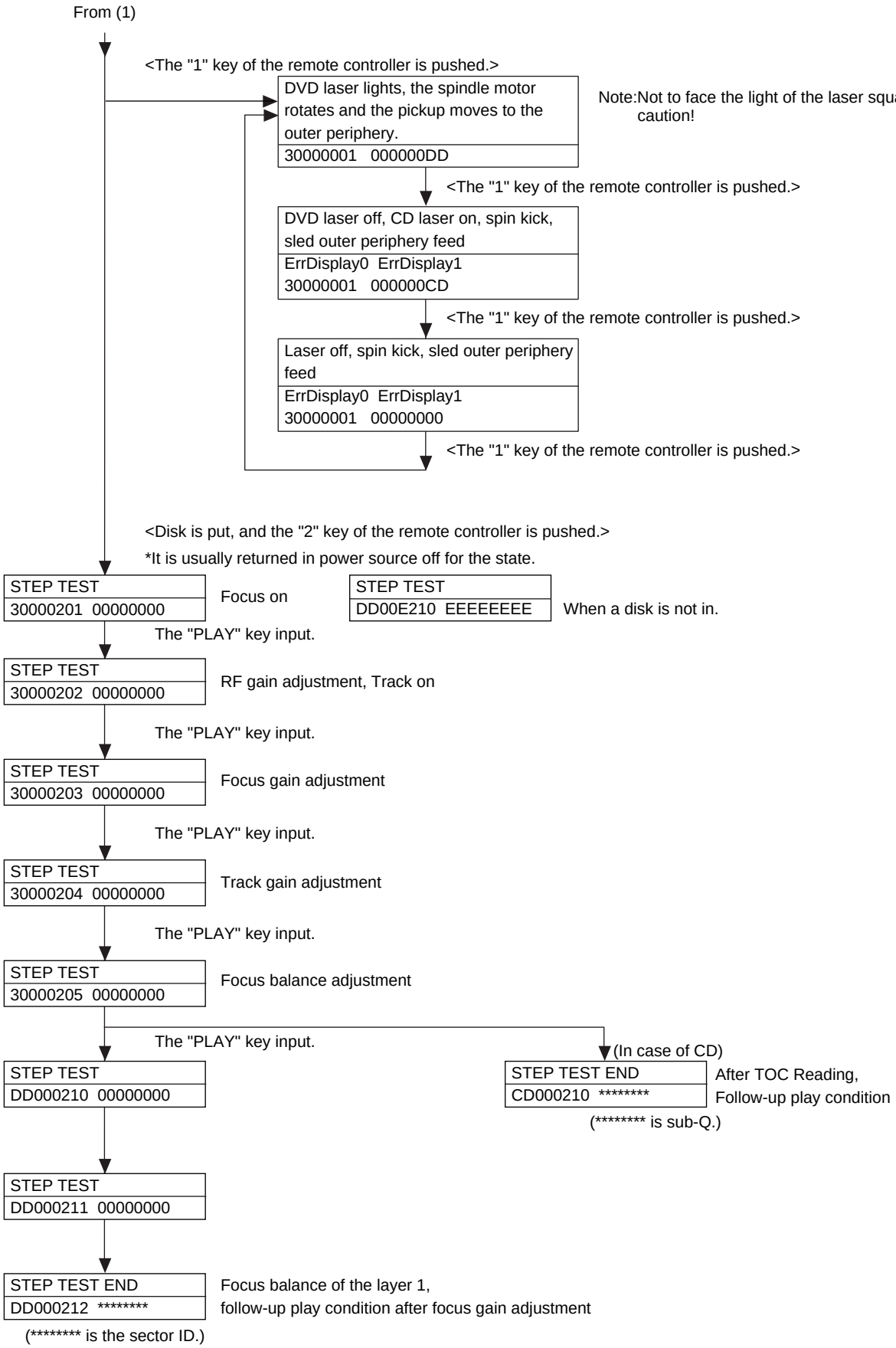
No.	Item	Checked place	Checking method	Standard, condition	Remarks
8	Battery display check	Main unit LCD	1. Supply 8V to the battery terminal. Get the DVD start-up screen. 2. Change the battery voltage to 7V. → 3. Change the battery voltage to 6.5V. → 4. Change the battery voltage to 5.9V. →	Check the battery half display. Check the battery alarm display. Check the power is turned off.	
9	Charging action check	Main unit LED	1. Supply power from an AC adapter. 2. Connect 15Ω supplied a 6.5V DC to the battery terminal → or connect the empty battery.	Check the LED for charging orange lights on.	

7. TEST MODE

Test Mode	A power source is put, and a Skip/Forward key and a Volume Up key are pushed after the "NO DISC" display at the same time. (It keeps pushing it for about three seconds.)
ROM Renewal Mode	A power source is put with pushing a Skip/Forward key and Volume Down key at the same time. (It keeps pushing it for about three seconds.)

[TEST MODE]


Test mode initial image plane
F0000000 00000000
<The "1" key of the remote controller is pushed.>
The preparation date display of the program
10000000 ********
(Last updata)
The "PLAY" key of the remote controller is pushed.
Model number display
10000001 00007604
(Model number)
The "PLAY" key of the remote controller is pushed.
The version display of the program
10000002 ********
(Program ver.)
The "PLAY" key of the remote controller is pushed.
Reagion number display
10000003 00000008
(Region code:Binary display)
The "PLAY" key of the remote controller is pushed.
Micro-code number display
10000004 ********
(Microcode ver.)
Micro-code is the thing of the process program of the system integrated circuit.
The "PLAY" key of the remote controller is pushed.
The preparation date display of the servo program
10000005 ********
(Servo ver.)
The "PLAY" key of the remote controller is pushed.
It is returned to the test mode initial image plane.
<The "2" key of the remote controller is pushed.>
Colour bar display
20000001 00000000 (FIP)
There is no copy guard signal.
What is the symptom at the time of dubbing to VTR?
The "PLAY" key of the remote controller is pushed.
Colour bar display
20000002 00000000 (FIP)
AGC only
What is the symptom at the time of dubbing to VTR?
The "PLAY" key of the remote controller is pushed.
Colour bar display
20000003 00000000 (FIP)
AGC+Colour stripe1
What is the symptom at the time of dubbing to VTR?
The "PLAY" key of the remote controller is pushed.
Colour bar display
20000003 00000000 (FIP)
AGC+Colour stripe2
What is the symptom at the time of dubbing to VTR?
The "PLAY" key of the remote controller is pushed.
<The "3" key of the remote controller is pushed.>
To (1)


From (1)
<The "1" key of the remote controller is pushed.>
DVD laser lights, the spindle motor rotates and the pickup moves to the outer periphery.
30000001 000000DD
Note:Not to face the light of the laser squarely, caution!
<The "1" key of the remote controller is pushed.>
DVD laser off, CD laser on, spin kick, sled outer periphery feed
ErrDisplay0 ErrDisplay1
30000001 000000CD
<The "1" key of the remote controller is pushed.>
Laser off, spin kick, sled outer periphery feed
ErrDisplay0 ErrDisplay1
30000001 00000000
<The "1" key of the remote controller is pushed.>
<Disk is put, and the "2" key of the remote controller is pushed.>
*It is usually returned in power source off for the state.
STEP TEST
30000201 00000000
Focus on
STEP TEST
DD00E210 EEEEEEEE
When a disk is not in.
The "PLAY" key input.
STEP TEST
30000202 00000000
RF gain adjustment, Track on
The "PLAY" key input.
STEP TEST
30000203 00000000
Focus gain adjustment
The "PLAY" key input.
STEP TEST
30000204 00000000
Track gain adjustment
The "PLAY" key input.
STEP TEST
30000205 00000000
Focus balance adjustment
The "PLAY" key input.
(In case of CD)
STEP TEST
DD000210 00000000
STEP TEST END
CD000210 ********
After TOC Reading,
Follow-up play condition
(******** is sub-Q.)
STEP TEST
DD000211 00000000
STEP TEST END
DD000212 ********
Focus balance of the layer 1,
follow-up play condition after focus gain adjustment
(******** is the sector ID.)

[ROM RENEWAL MODE]

1. Connect the DVD main unit and the computer as shown on the right. And then start-up the software for rewriting.
2. Turn on the power while the Skip/Forward key and the Volume Down key of the DVD main unit are kept pressed at the same time. (Keep pressing about 3 second.)

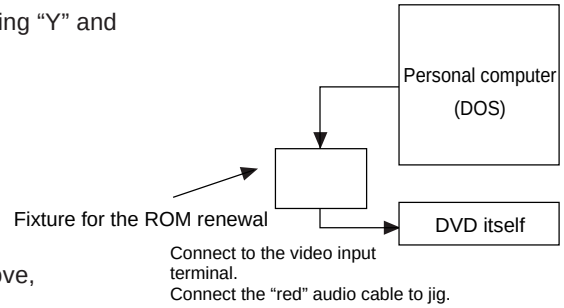
   The red LED flickers 5 - 6 times with the 0.5 second cycle and then the green LED flickers with 0.1 second cycle.

3. According to the computer display, data transfer prompt is issued by inputting “Y” and pressing ENTER key, and when the rewriting starts normally,

   The LED in green lights on from flickering.

4. When the rewriting is completed normally,

   The green LED lights on.



5. After completing the rewriting and checking the display of No. 4 shown above, always press the “RETURN” key. After that turn off the POWER.

6. Treatment in case of rewriting error
   - ① The red LED flickers with 0.1 second cycle (When the stop key is pressed it return to the condition of “2” so write again.)
   - ② The red/green LED flickers by turns (When the stop key is pressed it becomes the condition of “5” so write again from “1”.)

8. TROUBLESHOOTING

FLOW CHART NO.1

The power cannot be turned on.(1)

- Voltage on DC JACK (Approx. 10V) or battery terminal (8.4 - 6V)?
  - No → Check AC adapter or battery-pack.
  - Yes ↓
- Voltage specified above (Approx.6 - 10V) on TP9002, TP9003?
  - No → •When using the AC adapter ------check circuit around F901, Q904, Q905. •When using battery------check circuit around F902, Q906, Q913.
  - Yes ↓
- Voltage of approx. 5V supplied on 72 pin of IC5502 (TV microcomputer)?
  - No → Voltage of approx. 6 - 11V supplied on 4 pin of IC5503?
    - No → Circuit protector CP9001 is actuated (disconnection) replace. Check LCD inverter circuit, INV-V line, D5510, D5512, Q5506 and Q5507.
    - Yes → Replace IC5503.
  - Yes ↓
- Oscillation signal of 32kHz checked on 23, 24 pins of IC5502?
  - No → 29 pin of IC5502 still "L"?
    - No → Check the IC5502 and X5502.
    - Yes → Check the Q5503 and Q5504.
  - Yes ↓
- •Approx. 5V outputted to 45 pin of IC5502? •Approx. 5V outputted to 46 pin of IC5502? (DVD mode)
  - No → Refer to "The key operation is disabled." or "No operation is possible from the infrared remote control.".
  - Yes ↓
- •Approx. 4.5 V supplied to 20 - 21 pins of IC9001? •Approx. 4.5 V supplied to 22 pin of IC9001? (DVD Mode)
  - No → Check PCON-H line between IC5502 - IC9001.
  - Yes ↓
- Appropriate voltage outputted on each B line (TP9005 - 9012)?
  - No ↓
- Circuit protector CP9002 cut?
  - No → Triangle oscillation of approx. 0.6V p-p checked on 17 pin of IC9001?
    - No → Replace IC9001.
    - Yes → Check short circuit of each SWITCHING TR and each B line. * All the B lines cannot be outputted for short circuit of even 1postion (1 line).
  - Yes ↓

FLOW CHART NO.2

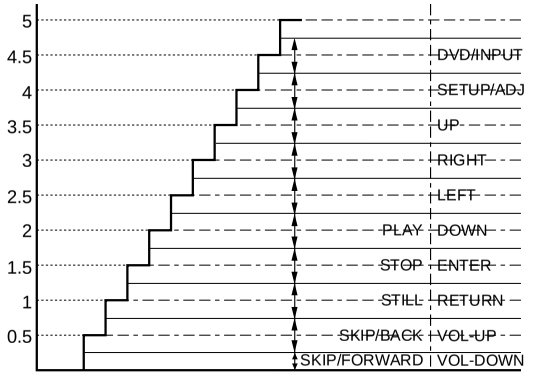
The key operation is disabled.

- Wire between operation PWB and Power PWB connected properly?
  - No → Attach junction line properly or replace junction line.
  - Yes ↓
- Slide switch does not function.
  - Yes ↓
- When slide switch is placed "ON", 5 pin of IC5502 is "L"?
  - No → Replace IC5502.
  - Yes ↓

Replace S5501.

- Is the control voltage normally into the pins(78) and (80) of IC5502? (78pin→KEY)
  - No → Replace IC5502.
  - Yes ↓

Replace operation pwb or S4001~S4005.



FLOW CHART NO.3

No operation is possible from the infrared remote control.

- Operation is possible from the body, but no operation is possible from the infrared remote control.
  - No → Replace the remote control receiver or replace the remote control transmitter is necessary.
  - Yes ↓
- Is 5V voltage supplied to the pin 2 terminal of remote control receiver?
  - No → Check TVMI_5V line.
  - Yes ↓
- Is the "L" pulse sent out pin 3 terminal of receiver when the infrared remote control is activated? (Actuated with power button)
  - No → Replace the remote control receiver.
  - Yes ↓
- DVD cannot be operated but TV can be operated. (DVD is actuated with play, stop button.)
  - Yes → To 1
  - No → To 2
- 1"L" pulse signal is generated from 79 pin of IC5502? (Actuated with power button)
  - No → Check line of 2 pin of IC4001.
  - Yes → Replace IC5502.
- 2"L" pulse signal is generated from 32 pin of IC502? (DVD is actuated with play, stop button.)
  - No → Check D512 line.
  - Yes → Replace IC502.

FLOW CHART NO.4

The disc does not rotate.

Is the tray lid open?
- No → When S802 is pressed, are the pins 3 and 4 short-circuited?
  - No ← Replace the S802.
  - Yes → Check the connection between pins 2 or 4 of S802 and pin 27 of IC502.
- Yes ↓

Does the pickup move in the direction of inner periphery?
- No → Check the cable connecting to the CN7302. (Check the CN7302 and line of pins 2 and 4 of IC705.)
- Yes ↓

After moving in the direction of inner periphery, does the pickup move in the direction of outer periphery?
- No → Check the cable connecting to the CN7303.
- Yes ↓

Is 4.8V being applied to the pins 16 and 17 of IC7701?
- No → Check the M_4.8V line.
- Yes ↓

Replace the IC7701.

FLOW CHART NO.5

The [No Disc] indication. (In case of focus error)

When removing disc and applying load to spin motor (by stopping with hand, etc.), objective lends moves up and down? (Checking item to symptom) Note) If load is not applied to spin, lens does not move and becomes NO DISC immediately.
- No → See FLOW CHART NO.6<The [No Disc] indication. (In case focus servo does not function.)>
- Yes ↓

Is FE signal output to the pin 21 of IC301 when the disc is set?
- No → Is there input signal on the pins(50,55) and (49,54) of IC301?
  - No → Check the connection of optical pickup cable. If it is normal, replace the optical pickup.
  - Yes → Replace IC301.
- Yes ↓

Is FE signal inputted into the pin 150 of IC701.
- No → Check the line between the IC301 and IC701.
- Yes ↓

Check or replace IC701.

In case of CD For DVD, 58, 59, 63, and 64

FLOW CHART NO.6

The [No Disc] indication. (In case focus servo does not function.)

Is the focus control signal output to the pin 14 of IC701?
- No → Check the IC701 DAC power source periphery circuit. If it is normal, replace IC701.
- Yes ↓

Is the focus control signal from the pin 158 of IC701 input into the pin 20 of IC705?
- No → Check the focus control signal (DA0) line between the IC705 and IC701.
- Yes ↓

Is the focus control drive voltage output from the pins 29 and 30 of IC705?
- No → Is 8V voltage applied to the pins 8 and 27 and 25 and 24 of IC705?
  - No ← Check M_5V line.
  - Yes → Replace IC705.
- Yes ↓

Focus control drive voltage applied to 27, 29 pin of CN7301 (focus actuator terminal)?
- No → Check the line between the IC705 and the focus actuator.
- Yes ↓

Check the connection of optical pickup cable. If it is normal, replace the optical pickup.

FLOW CHART NO.7

The DVD disc is not recognized. (When the laser beam does not go on)

Is the drive signal (SEL) of Q301 (LD POWER ON) being output to the pin 37 of IC701?
- No → Check the line from the pin 37 of IC701 to the base of Q301.

Is the drive signal (LDO1) of Q302 (LD POWER CTL) being output to the pin 45 of IC301?
- No → Check the line between the pin 45 of IC301 and base of Q302.

When S801 is pressed, is the base of Q303 0.8V?
- No → Check the line between S801 and R323.
- Yes ↓

Is the voltage of 3.3V being applied to the emitter of Q301? And, is the voltage of 3.4V being applied to the emitter of Q302?
- No → Check the D_3.1V line and A_5V line.
- Yes ↓

Is the voltage of 3.1V and 2.3V being applied to the pins 14 and 23 of CN7301, respectively?
- No → Check the Q301 and line between Q302 and CN301.
- Yes ↓

Check the connection of optical pickup cable. If it is normal, replace the pickup.

FLOW CHART NO.8

The CD disc is not recognized. (When the laser beam does not go on)

Is the drive signal (LDO2) of Q304 (LD POWER CTL) being output to the pin 4 of IC301?
- No → Check the line between the pin 4 of IC301 and base of Q303.

When S801 is pressed, is the base of Q304 0.8V?
- No → Check the line between S801 and R323.
- Yes ↓

Is the voltage of 3.4V being applied to the emitter of Q303?
- No → Check the A_5V line.
- Yes ↓

Is the voltage of 2.3V being applied to the pin 9 of CN7301?
- No → Check the line between Q304 and CN7301.
- Yes ↓

Check the connection of optical pickup cable. If it is normal, replace the pickup

FLOW CHART NO.9

Both picture and sound do not operate normally.(1)

Set disc to mechanism.
- Yes ↓

When cover is closed, disc starts rotating?
- No → Check tray switch. S801, 802
- Yes ↓

Is the level of RF signal which is output from pin 28 of IC301, normal?
- No → Check for contamination of objective lens of optical pickup.
- Yes ↓

Replace the main PWB unit.
- No → Replace the optical pickup unit.
- Yes ↓

Check the main PWB unit.

FLOW CHART NO.10

Picture do not operate normally.

Set the disc on the disc tray.

Are the video signals shown above input into the pins of IC2201?
IC2201 2PIN Y/CR
IC2201 15PIN C/CB
- No → Check the line between the pins of main unit IC601 and the pins of IC2201.
  IC601 105PIN → IC2201 2PIN Y/CR
  IC601 106PIN → IC2201 15PIN C/CB
- Yes ↓

Are the video signal outputted to each pins of IC2201?
(1)When S1-OUT/VIDEO OUT is selected with the signal selection switch(Q2201).
IC2201 11PIN CVBS
IC2201 6PIN S-Y
IC2201 12PIN S-C
- No → 5V applied to 1 pin of IC2201?
  - No → Check the V-MUTE line.(Pin3 of D2204)
  - Yes → Check or replace Q2201.
- No ↑

FLOW CHART NO.11

Sound is not given properly from speaker.

Set disc to DISC tray and play.

Digital sound signal inputted to each pin of IC6801?
IC6801 5PIN AMCLK
IC6801 3PIN ABCLK
IC6801 1PIN ALRCLK
IC6801 2PIN AOUT0
- No → Check each line between each pin of IC601 and each input pin of IC6801.
  IC601 131PIN → IC6801 5PIN AMCLK
  IC601 141PIN → IC6801 3PIN ABCLK
  IC601 139PIN → IC6801 1PIN ALRCLK
  IC601 136PIN → IC6801 2PIN AOUT0
  - Yes → Check or replace IC6801.
- Yes ↓

System control signal inputted to each pin of IC6801?
IC6801 26PIN DAC DA
IC6801 27PIN DAC CK
IC6801 28PIN DAC L
IC6801 22PIN RSTO I
- No → Check each line between each pin of IC504 and IC251 and each input pin of IC6801.
  IC504 110PIN → IC6801 26PIN DAC DA
  IC504 111PIN → IC6801 27PIN DAC CK
  IC504 112PIN → IC6801 28PIN DAC L
  IC251 77PIN → IC6801 22PIN RSTO I
  - Yes → Check or replace IC6801.
- Yes ↓

Sound signal inputted to each pin of IC6610?
IC6610 5PIN Lch Input
IC6610 23PIN Rch Input
- No → Check the IC6604, IC6605 and IC6607 and peripheral circuit.
- Yes ↓

Control signal inputted to each in of IC6610?
IC6610 2PIN VOL_UP
IC6610 3PIN VOL_DOWN
- No → Check from each pin of IC5502 to each input pin of IC6610.
  IC5502 33PIN → IC6610 2PIN VOL_UP
  IC5502 4PIN → IC6610 3PIN VOL_DOWN
- Yes ↓

Is 15 pin of IC6610 low?
- No → Check the Q6609, D6601, R6001, J6001.
  - Yes → Check or replace IC6610.

Charge troubleshooting

1. Charge LED (orange) lights on?
   - Yes → Go to item 4.
   - No ↓
   Power supplied from AC adapter?
   - No → Cannot be charge.
   - Yes ↓
   Power of main unit can be turned on and off?
   - No → Failure other than charging.
   - Yes ↓
   Power of main unit OFF?
   - No → Cannot be charged when power is ON. Turn off power and check.
   - Yes ↓
   F901 fuse is not cut?
   - Yes → Replace fuse.
   - No ↓
   Voltage of battery alone is 2V or more?
   - No → Failure of battery.

2. In the condition that power is supplied from AC adapter and power is off, nothing is connected to battery terminal.
   Voltage of 0V/8.4V generated to battery terminal cyclically.
   - Yes → Study on other items.
   - No ↓
   "H" voltage on 8 pin of IC5502?
   - No → Investigate line of DCIN_H.
   - Yes ↓
   Voltage on 77 pin of IC5502?
   - Yes → If certain voltage is on, investigate BAT_V line. When battery is not connected, voltage of 0V/4.2V is outputted cyclically.
   - No ↓
   44 pin of IC5502 repeating H/L cyclically?
   - Yes ↓
   Investigate CHG_ON line. Charging circuit must function accompanied by CHG_ON cyclically.

3. Only battery is connected. (Assume herein that battery with voltage of 7.4 V is connected.)
   Voltage of 3.7V on 77 pin of IC5502?
   - Yes → No problems with this item.
   - No ↓
   Voltage on 6 pin of Q905?
   - No → Investigate around IC5505.
   - Yes ↓
   1V or less on 4 pin of D5509?
   - No → Investigate around IC5505.
   - Yes ↓
   Investigate around Q905.

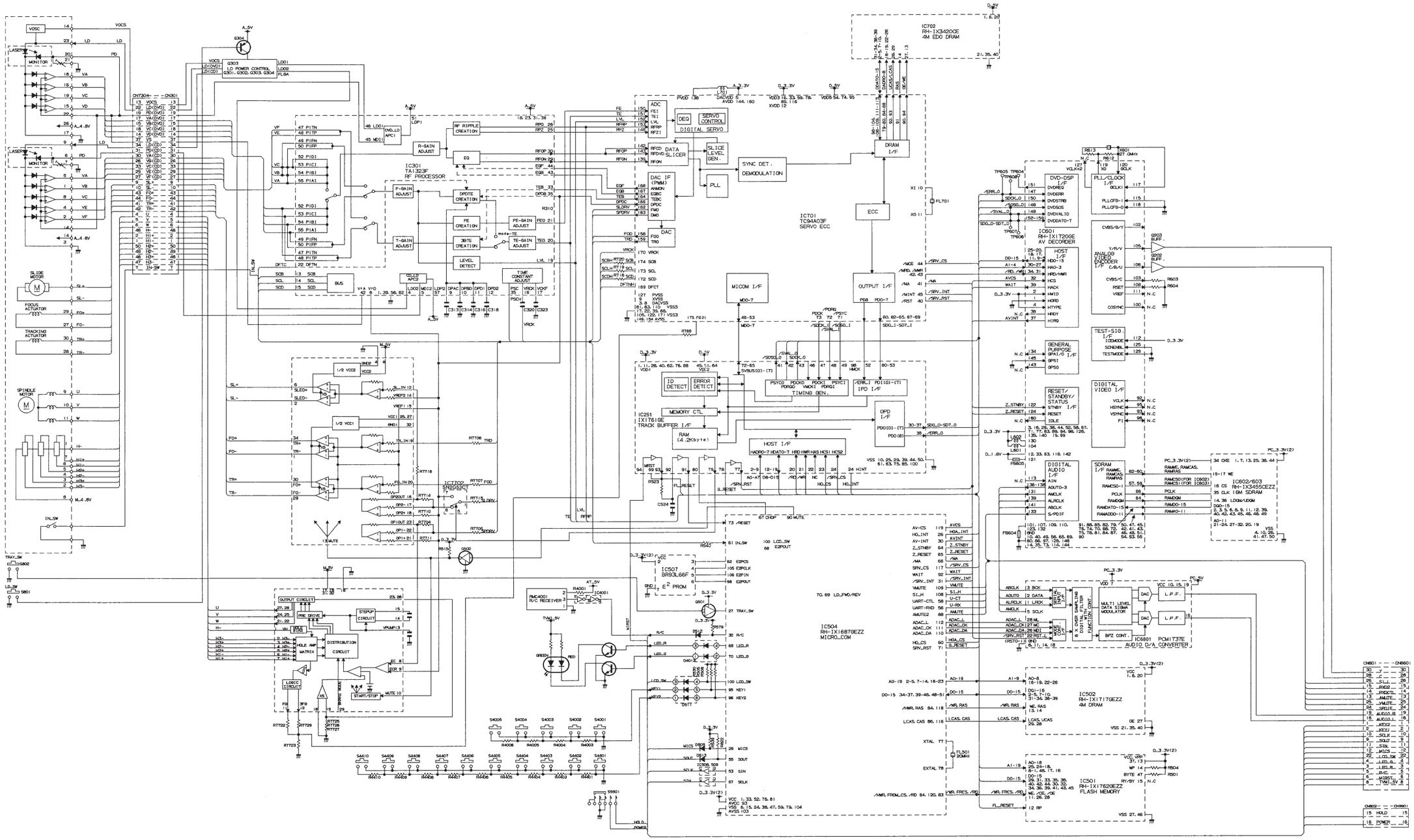
4. 44 pin of IC5502 is H?
   - No → Breakdown of IC5502.
   - Yes ↓
   Investigate CHG_ON line.
   - Yes ↓
   2 pin of IC901 oscillating at approx. 200kHz?
   - No → Check around IC901 or breakdown of IC901.
   - Yes ↓
   19 pin of IC901 oscillating at approx. 200kHz?
   - No → Check around IC901 or breakdown of IC901.
   - Yes ↓
   Voltage on C901?
   - No → Investigate Q908, D906, L901, and R915.
   - Yes ↓
   Investigate from C901 to battery terminal.

- M E M O -

DV-L88S/S(H)
DV-L88W/W(A)

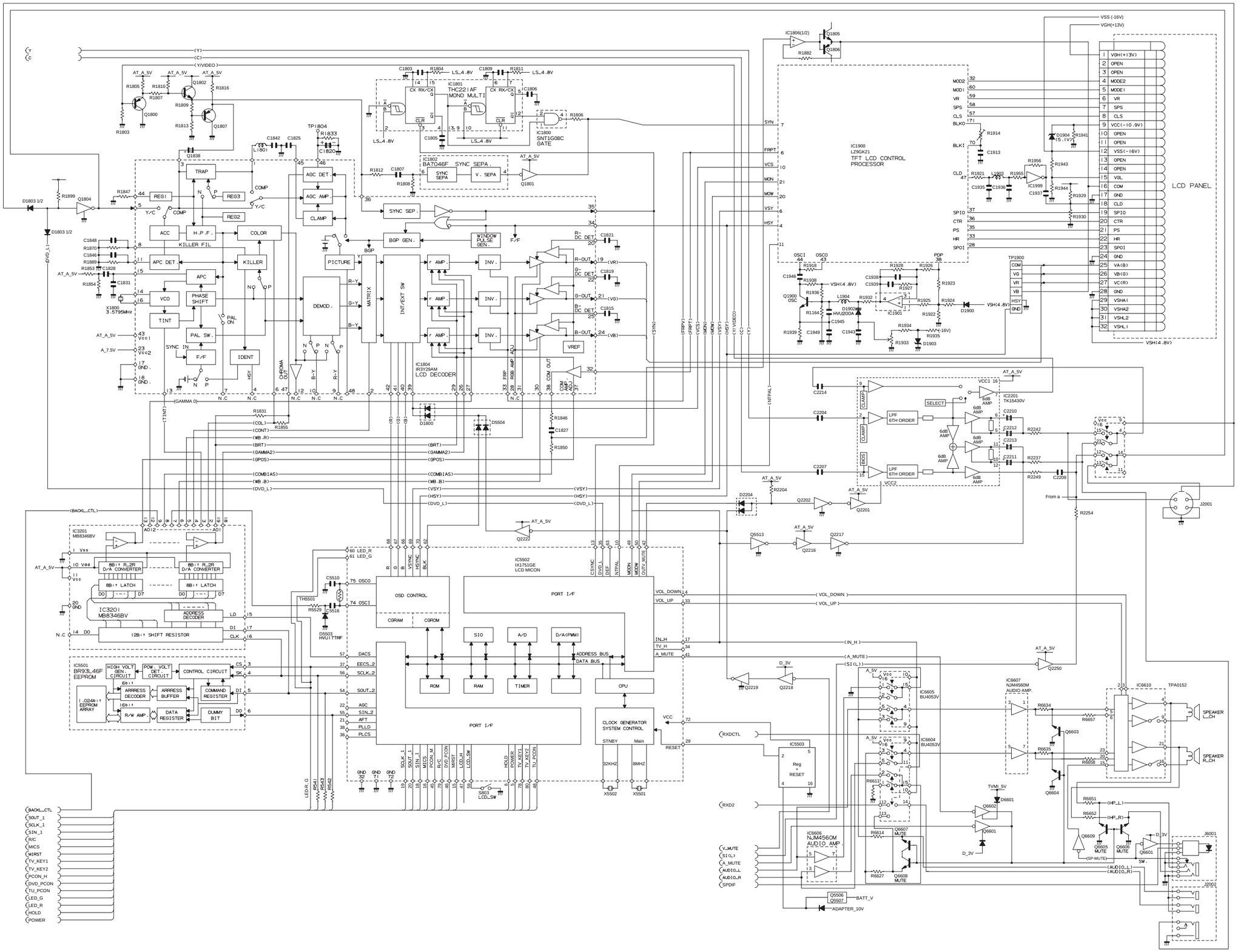
9. BLOCK DIAGRAMS

9-1. MAIN BLOCK DIAGRAM



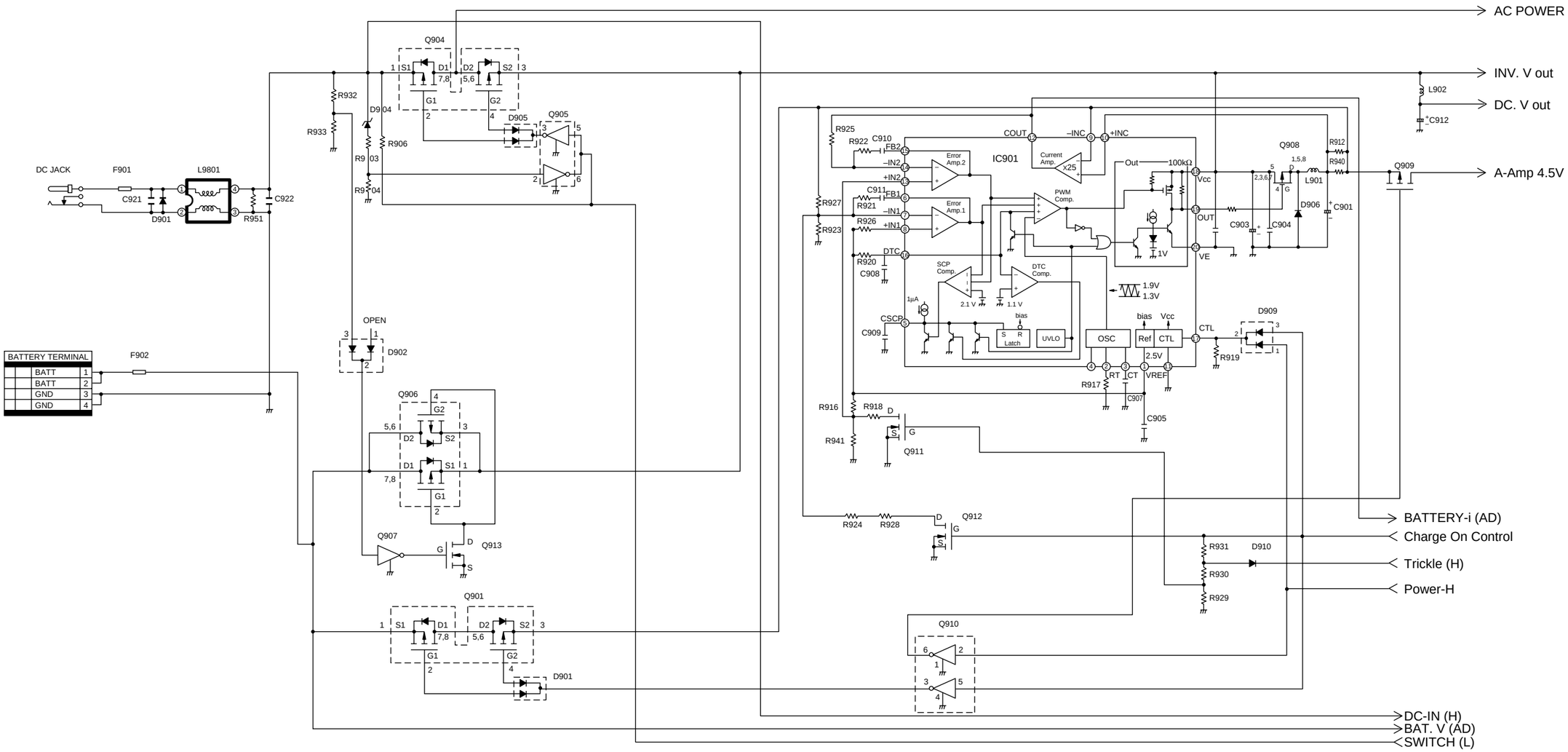
DV-L88S/S(H)
DV-L88W/W(A)

9-2. MAIN/LCD BLOCK DIAGRAM



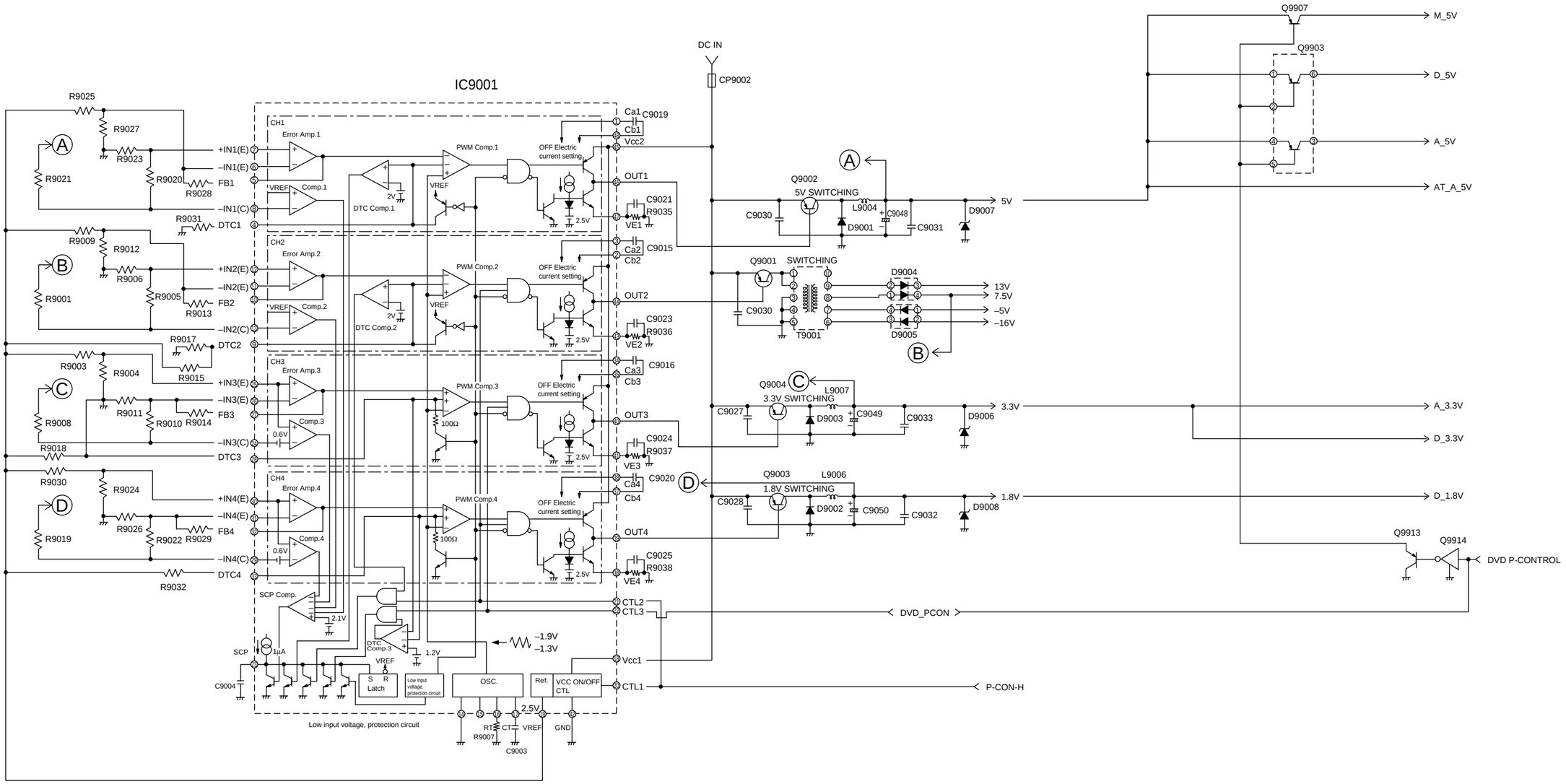
DV-L88S/S(H)
DV-L88W/W(A)

9-3. POWER 1 BLOCK DIAGRAM



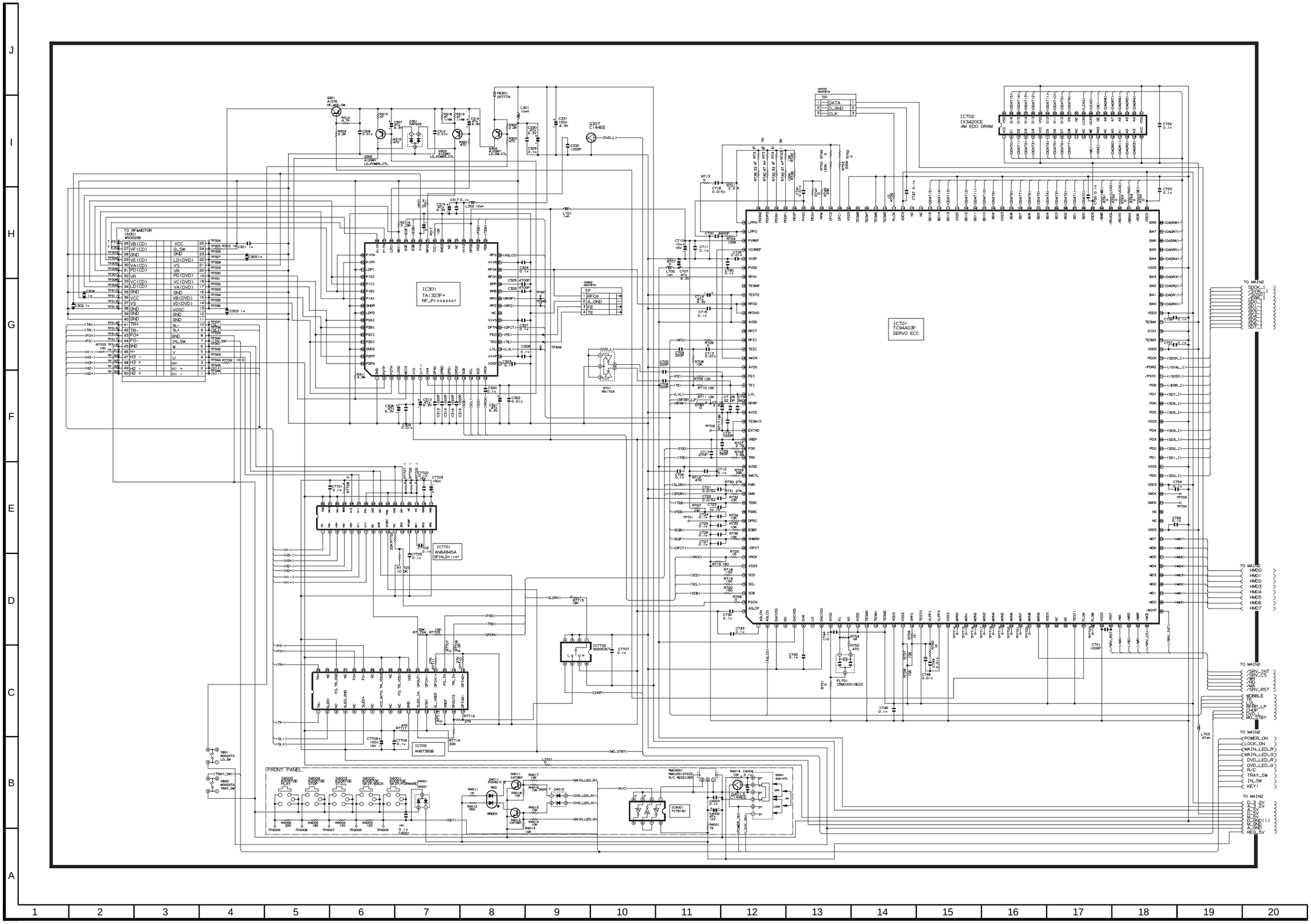
DV-L88S/S(H)
DV-L88W/W(A)

9-4. POWER 2 BLOCK DIAGRAM



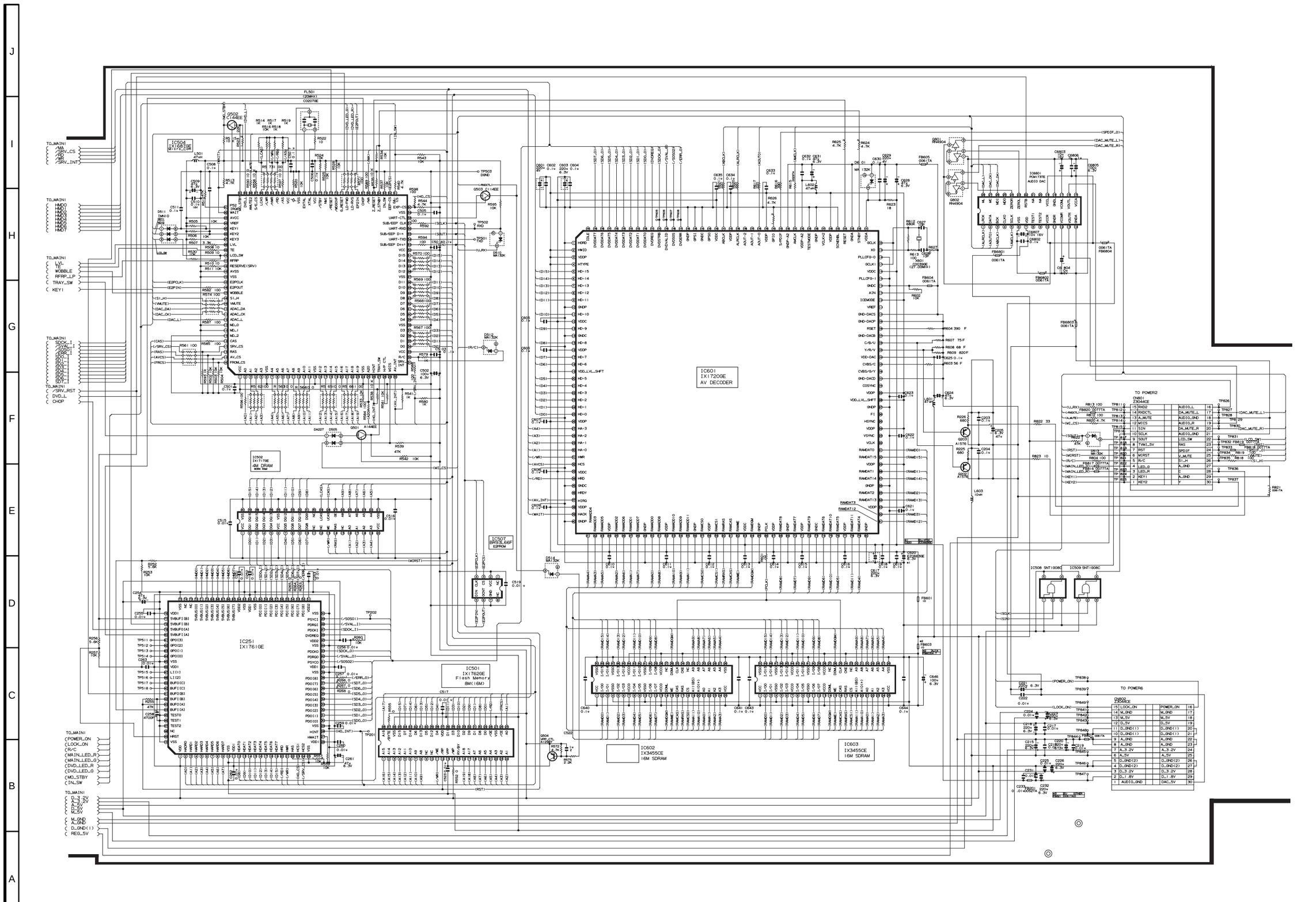
DV-L88S/S(H)
DV-L88W/W(A)

10. SCHEMATIC DIAGRAMS 10-1. MAIN (1) CIRCUIT SCHEMATIC DIAGRAM



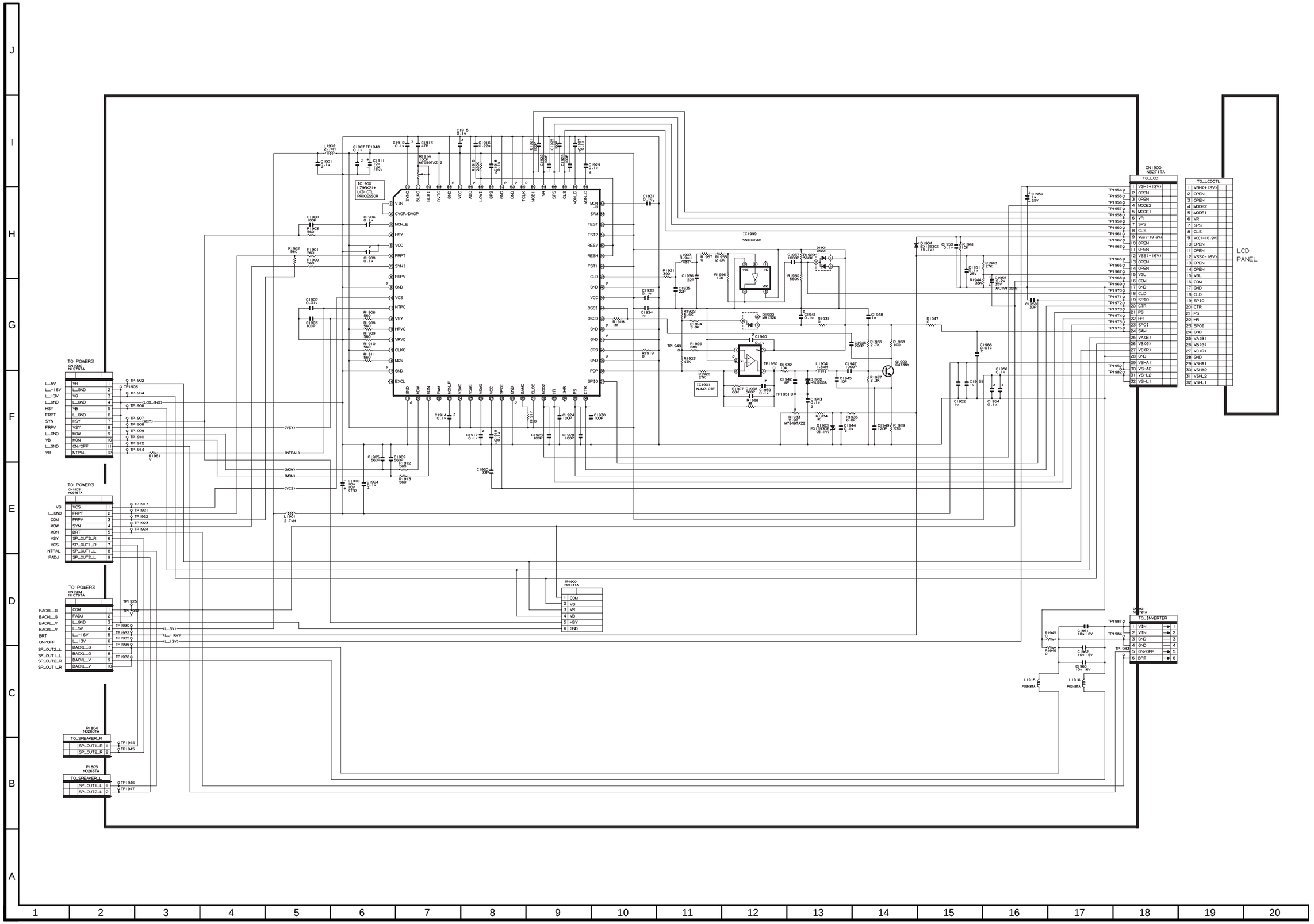
DV-L88S/S(H)
DV-L88W/W(A)

10-2. MAIN (2) CIRCUIT SCHEMATIC DIAGRAM



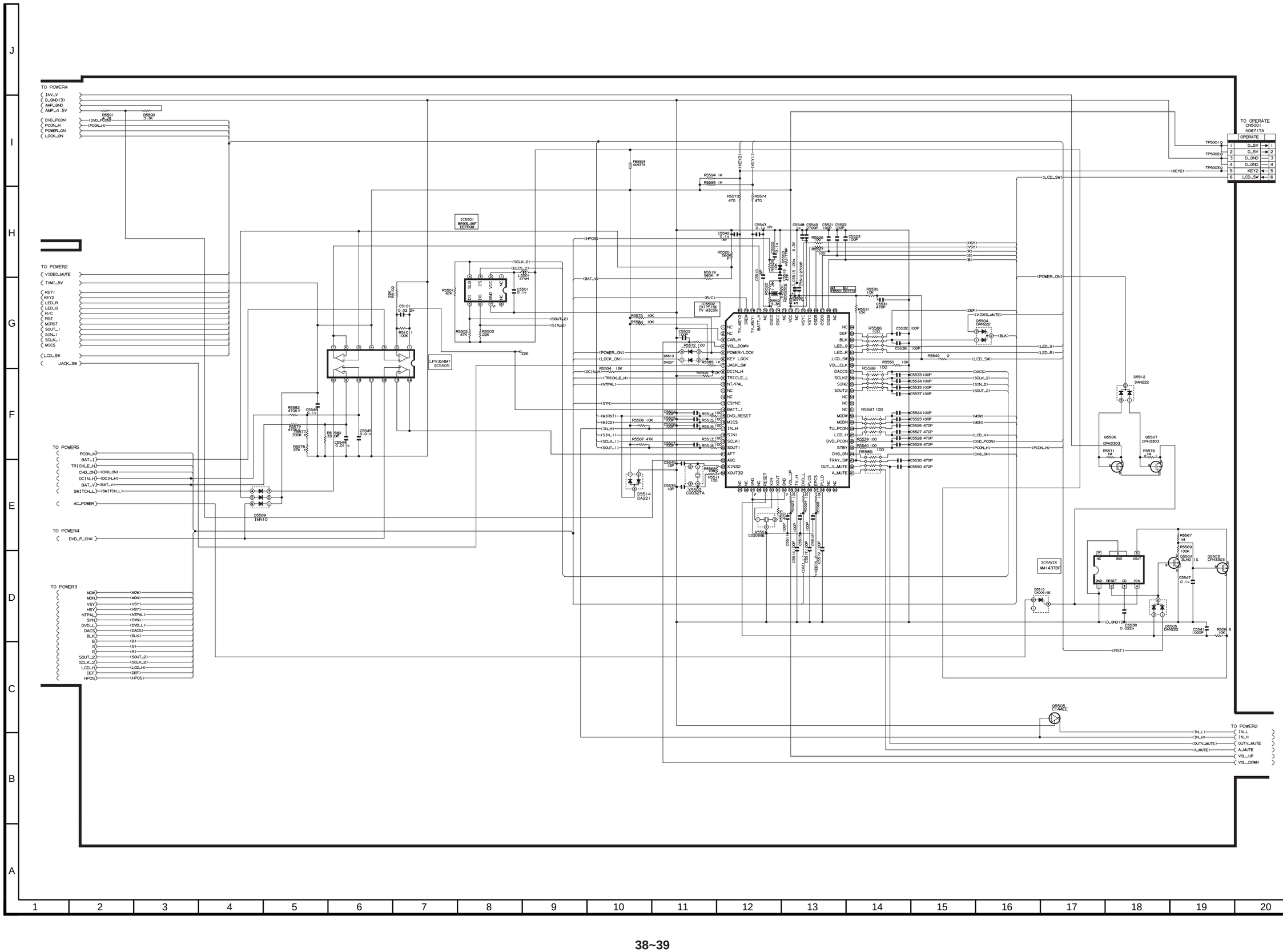
DV-L88S/S(H)
DV-L88W/W(A)

10-3. LCD CTL CIRCUIT SCHEMATIC DIAGRAM



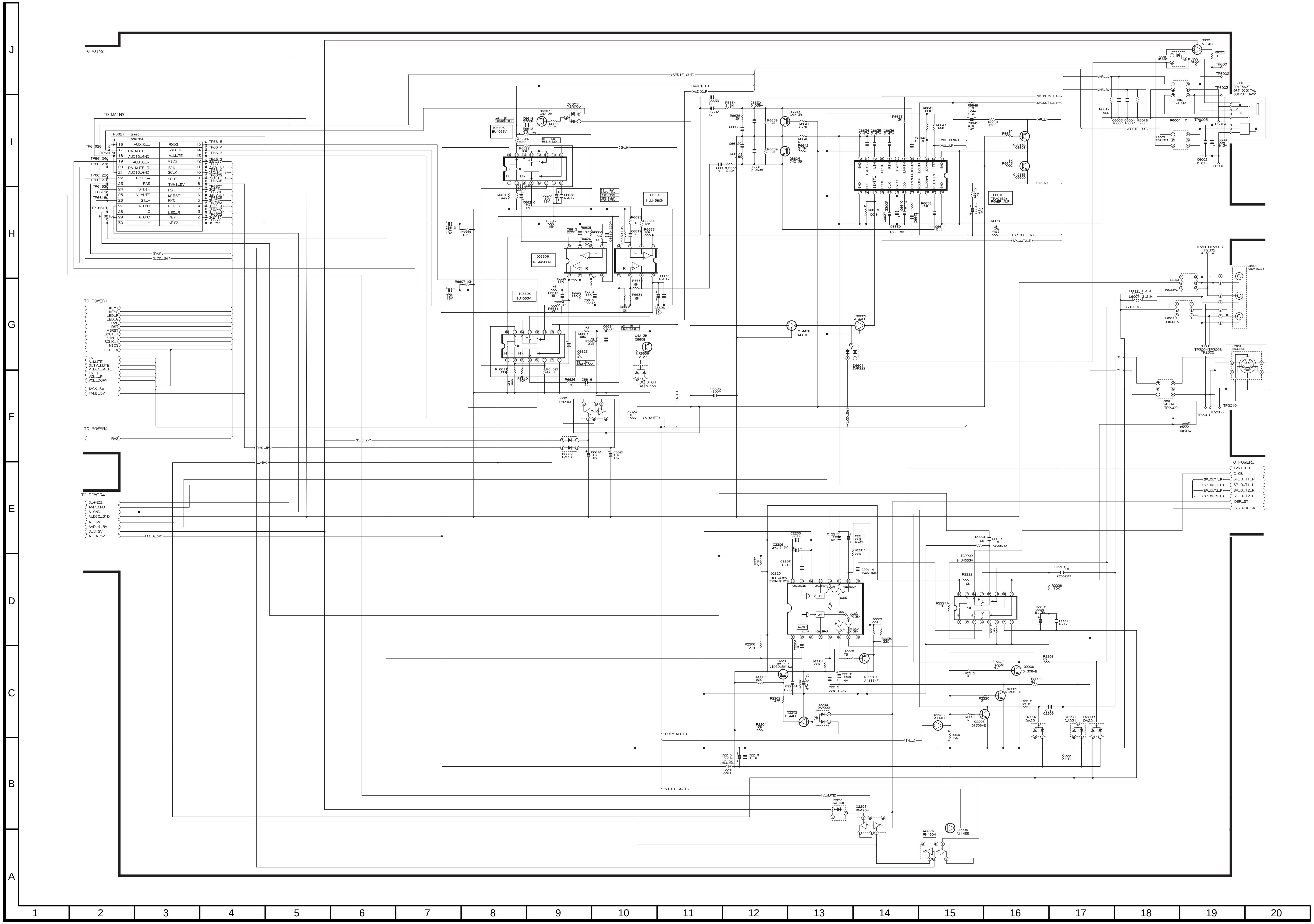
DV-L88S/S(H)
DV-L88W/W(A)

10-4. POWER (1) CIRCUIT SCHEMATIC DIAGRAM



DV-L88S/S(H)
DV-L88W/W(A)

10-5. POWER (2) CIRCUIT SCHEMATIC DIAGRAM


TO MAIN2
CN6601
Z0013FJ
AUDIO_L
DA_MUTE_L
AUDIO_GND
AUDIO_R
DA_MUTE_R
LCD_SW
RAS
SPDIF
V_MUTE
SI_H
A_GND
C
Y
RXD2
RXDCTL
A_MUTE
MICS
SIN
SCLK
SOUT
TVMI_5V
RST
MIRST
R/C
LED_G
LED_R
KEY1
KEY2
TO POWER1
SOUT_1
SIN_1
SCLK_1
IN_L
OUTV_MUTE
VIDEO_MUTE
IN_H
VOL_UP
VOL_DOWN
JACK_SW
TO POWER4
D_GND2
AMP_GND
AUDIO_GND
A_-5V
AMP_4.5V
D_3.2V
AT_A_5V
SPDIF_OUT
IC6605 BU4053V
IC6604 BU4053V
IC6606 NJM4560M
IC6607 NJM4560M
Q6607 C4213B
D6603 DAN222
Q6603 C4213B
Q6604 C4213B
Q6608 C4213B
D6604 DAN222
Q6601 RN2902
D6602 DA227
Q6609 A144EE
Q6610 C144TE
D6601 DAP222
IC6610 TPA0152+ POWER AMP
GND
BYPASS
LIN
LOUT-
RIN
PVDD
LHPIN
LLINEIN
LOUT+
DOWN
UP
NC
SE/BTL
ROUT-
CLK
VDD
RHPIN
ROUT+
S_DOWN
RLINEIN
Q6606 C4213B
Q6605 C4213B
HP_L
HP_R
SP_OUT1_L
SP_OUT2_L
SP_OUT1_R
SP_OUT2_R
Q6001 A114EE
D6001 MA132K
J6001 GP1F562T OPT DIGITAL OUTPUT JACK
L6004 F0414TA
L6005 F0413TA
J2002 G0041CEZZ
L6003 F0414TA
L6006 2.2uH
L6007 2.2uH
L6002 F0415TA
VIDEO1
J2001 D0430CE
L6001 F0415TA
FB6001 0081TA
TO POWER3
Y/VIDEO
C/CB
DEF_ST
S_JACK_SW
IC2201 TK15430V 75OHM_DRIVER
COLOR_IN
Y_IN
C_OUT
FEEDBACK
CVBS
DVD
EX VIDEO
Y_OUT
TO LCD VIDEO
CLAMP
LPF
Q2201 FMMT717 VIDEO_5V SW
Q2202 C144EE
D2204 DAP222
Q2210 A1774F
L2201 22uH
IC2202 BU4053V
Q2206 D1306-E
Q2209 D1306-E
Q2208 D1306-E
Q2205 A114EE
D2202 DA221
D2201 DA221
D2203 DA221
D2205 MA132K
Q2207 RN4904
Q2203 RN4904
Q2204 A114EE
J
I
H
G
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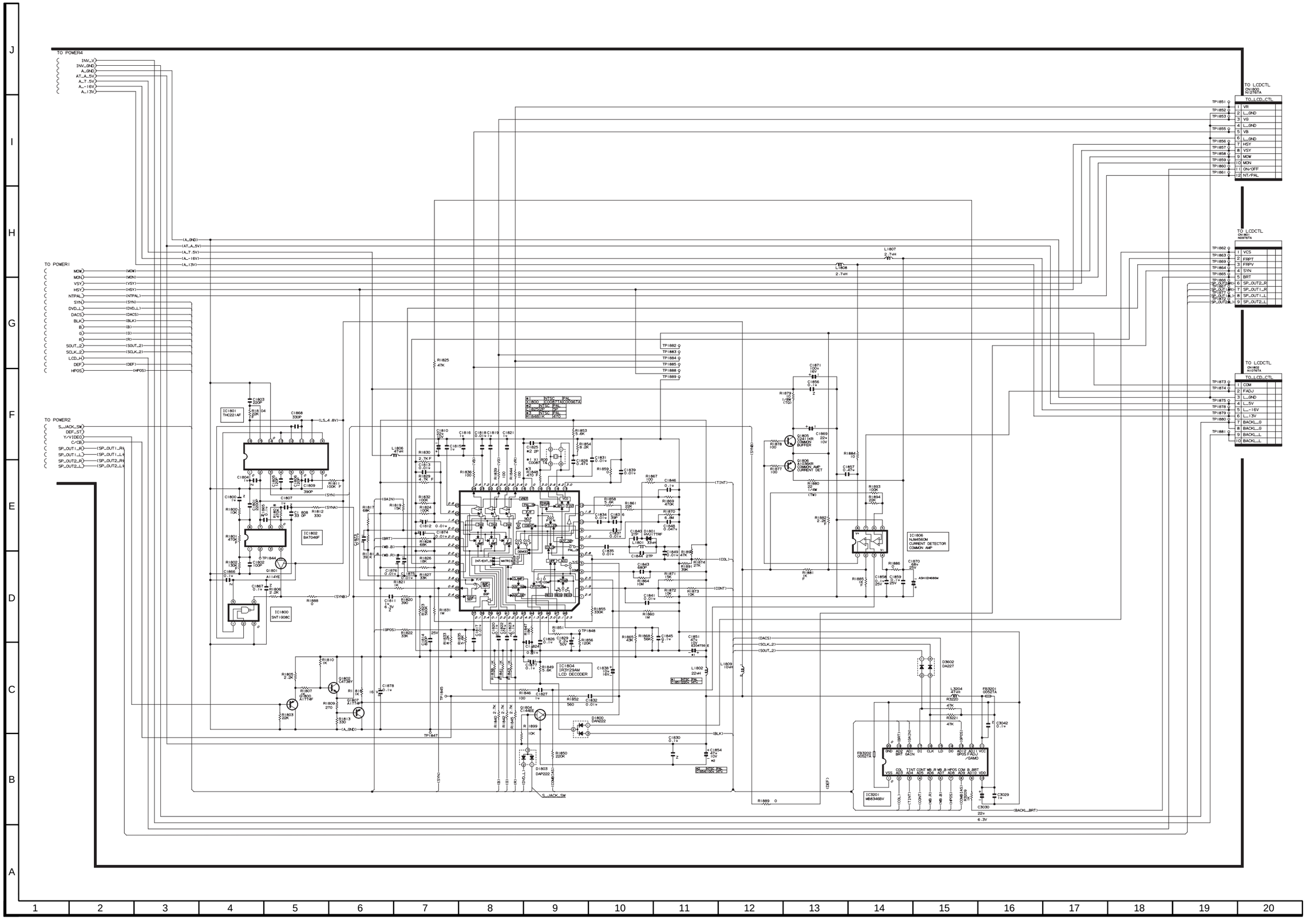
DV-L88S/S(H)
DV-L88W/W(A)

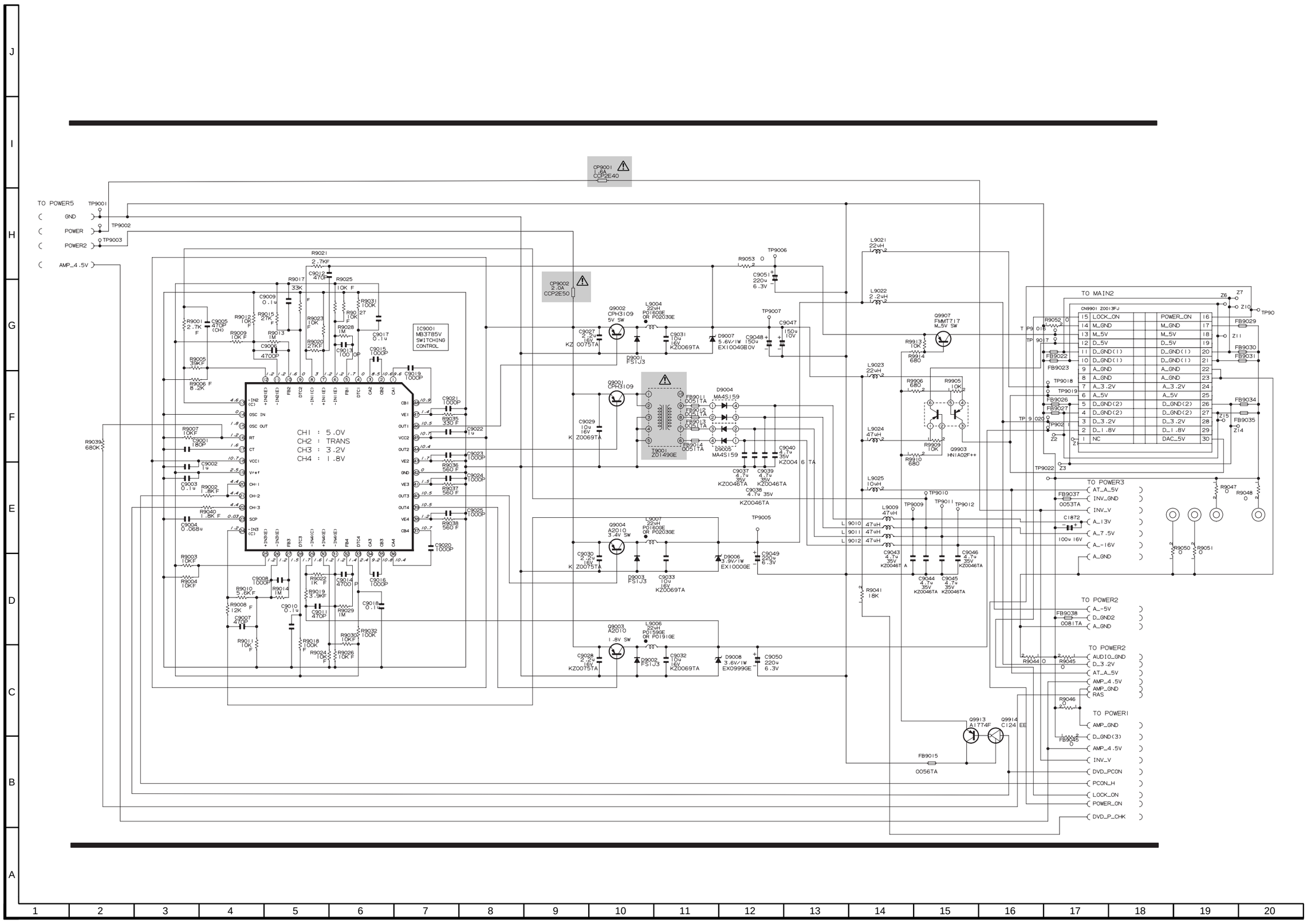
10-6. POWER (3) CIRCUIT SCHEMATIC DIAGRAM



DV-L88S/S(H)
DV-L88W/W(A)

10-7. POWER (4) CIRCUIT SCHEMATIC DIAGRAM

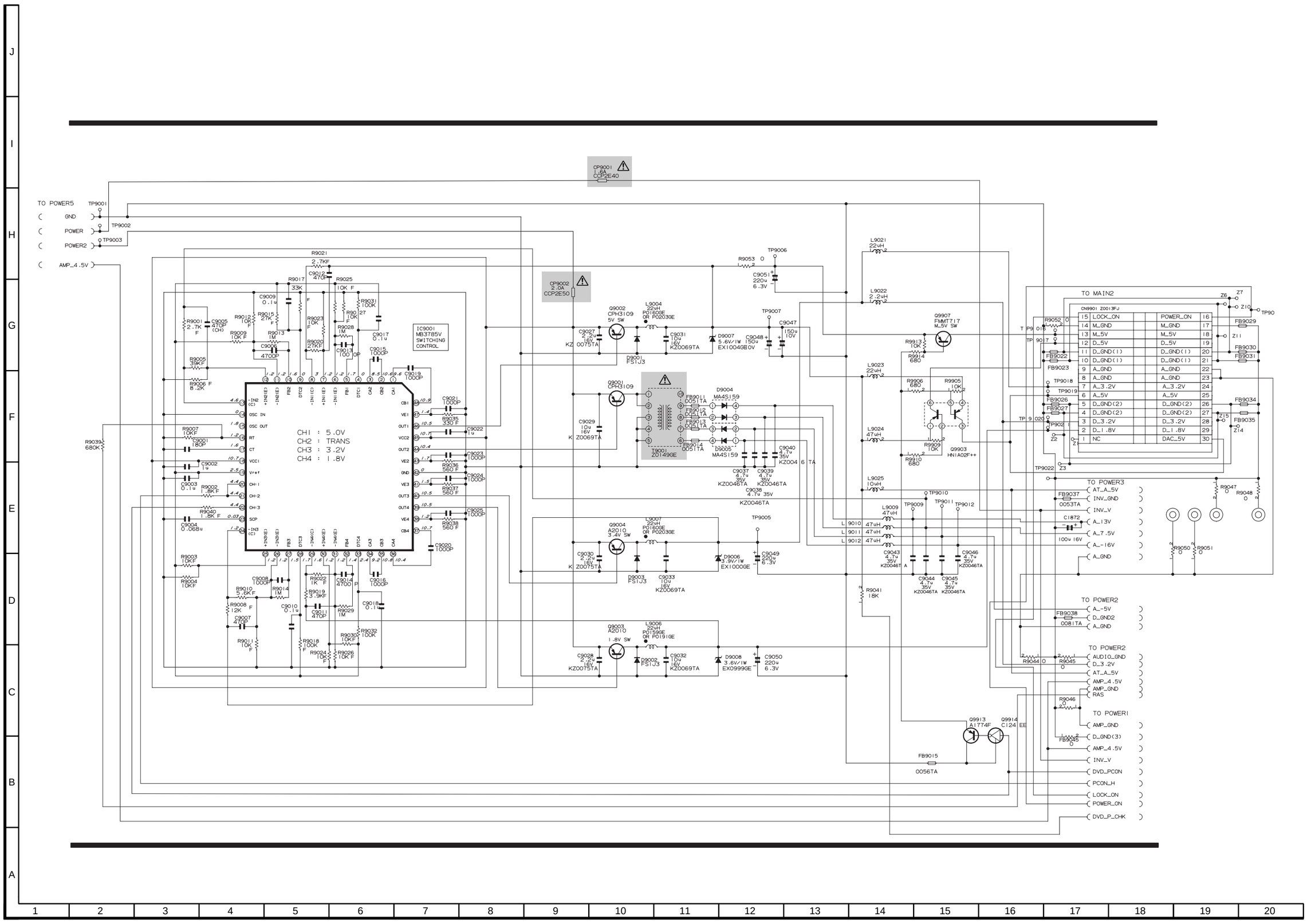
⚠ AND SHADED COMPONENTS=SAFETY RELATED PARTS



DV-L88S/S(H)
DV-L88W/W(A)

10-7. POWER (4) CIRCUIT SCHEMATIC DIAGRAM

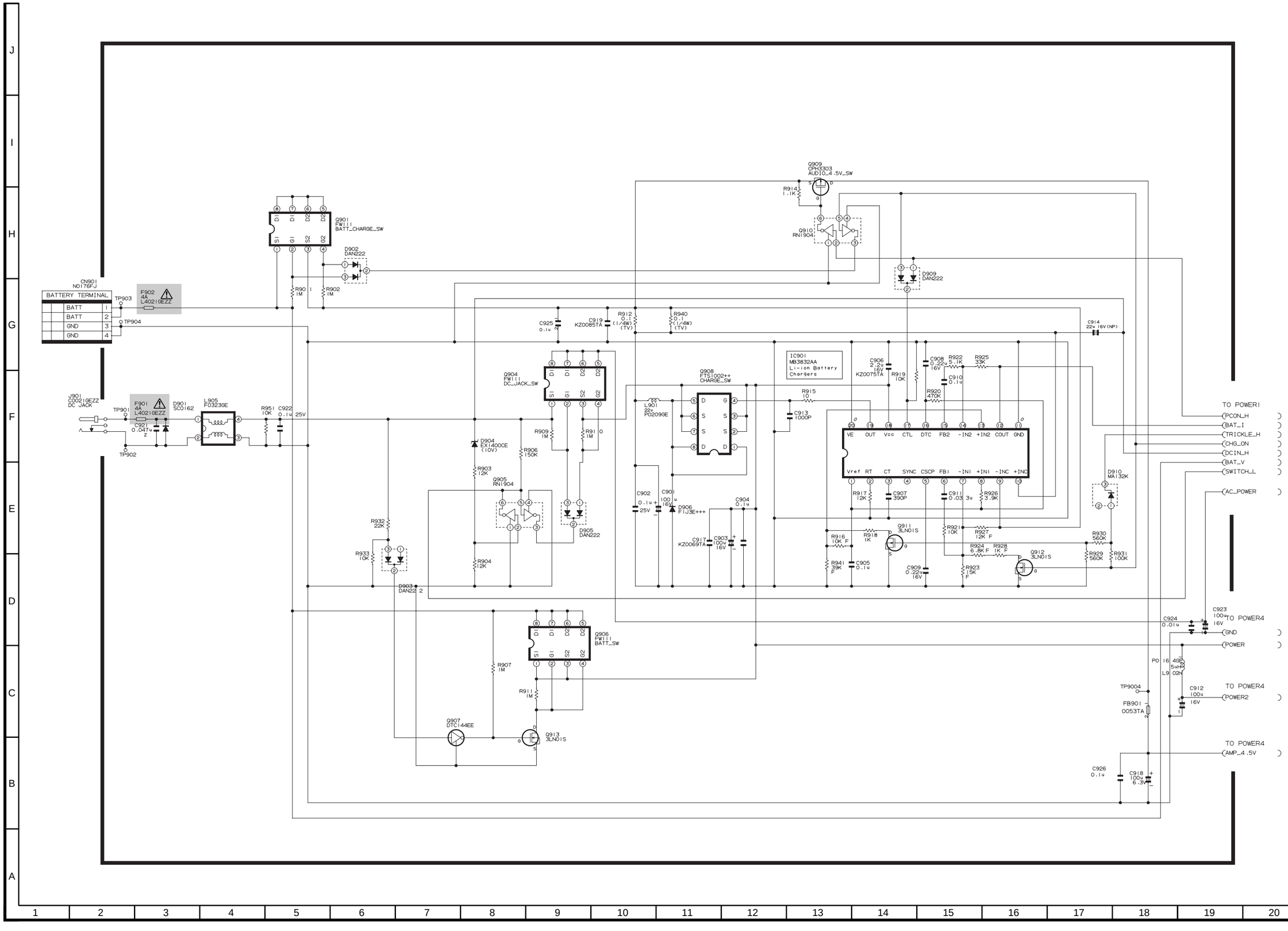
⚠ AND SHADED COMPONENTS=SAFETY RELATED PARTS



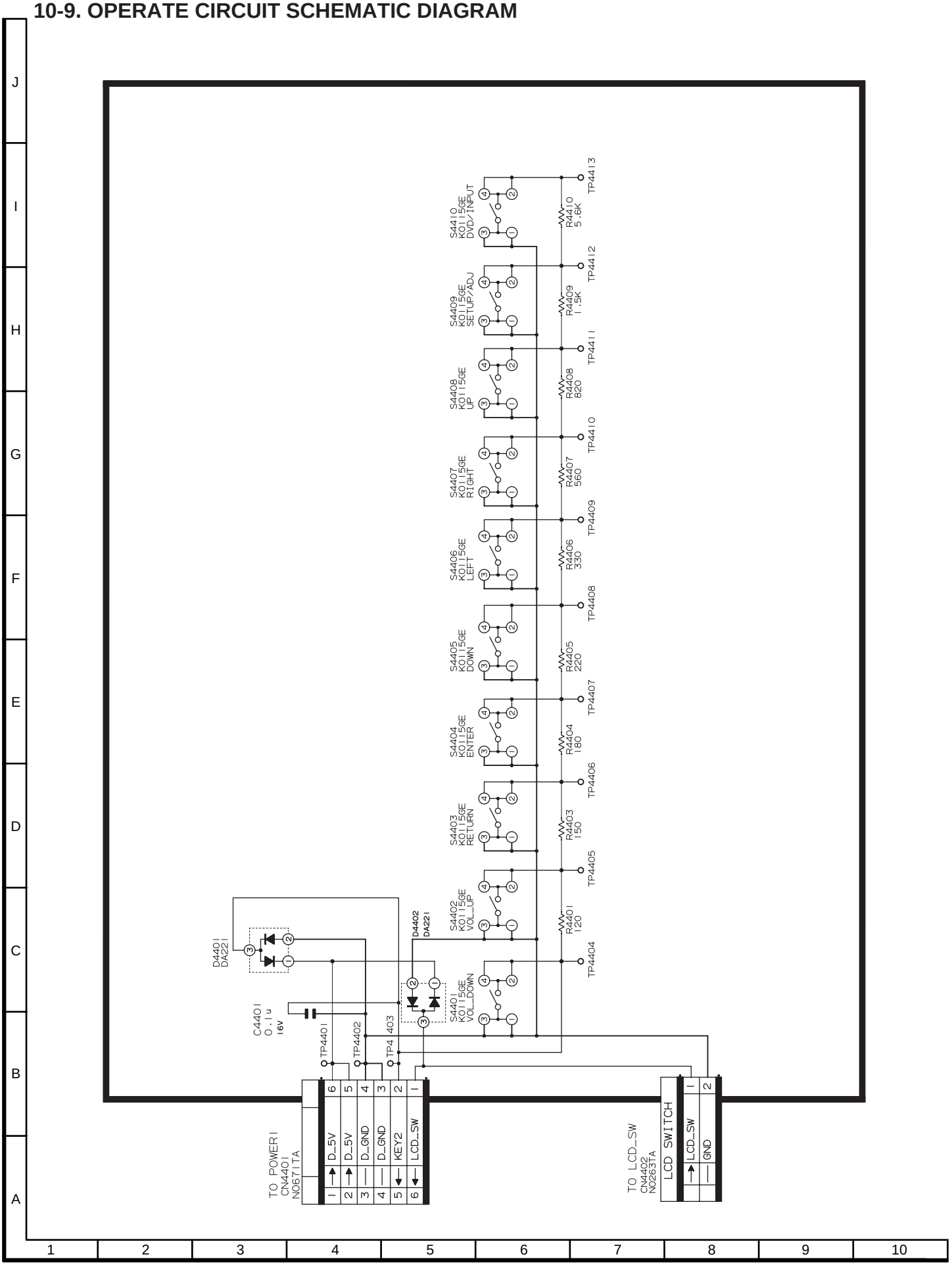
DV-L88S/S(H)
DV-L88W/W(A)

10-8. POWER (5) CIRCUIT SCHEMATIC DIAGRAM

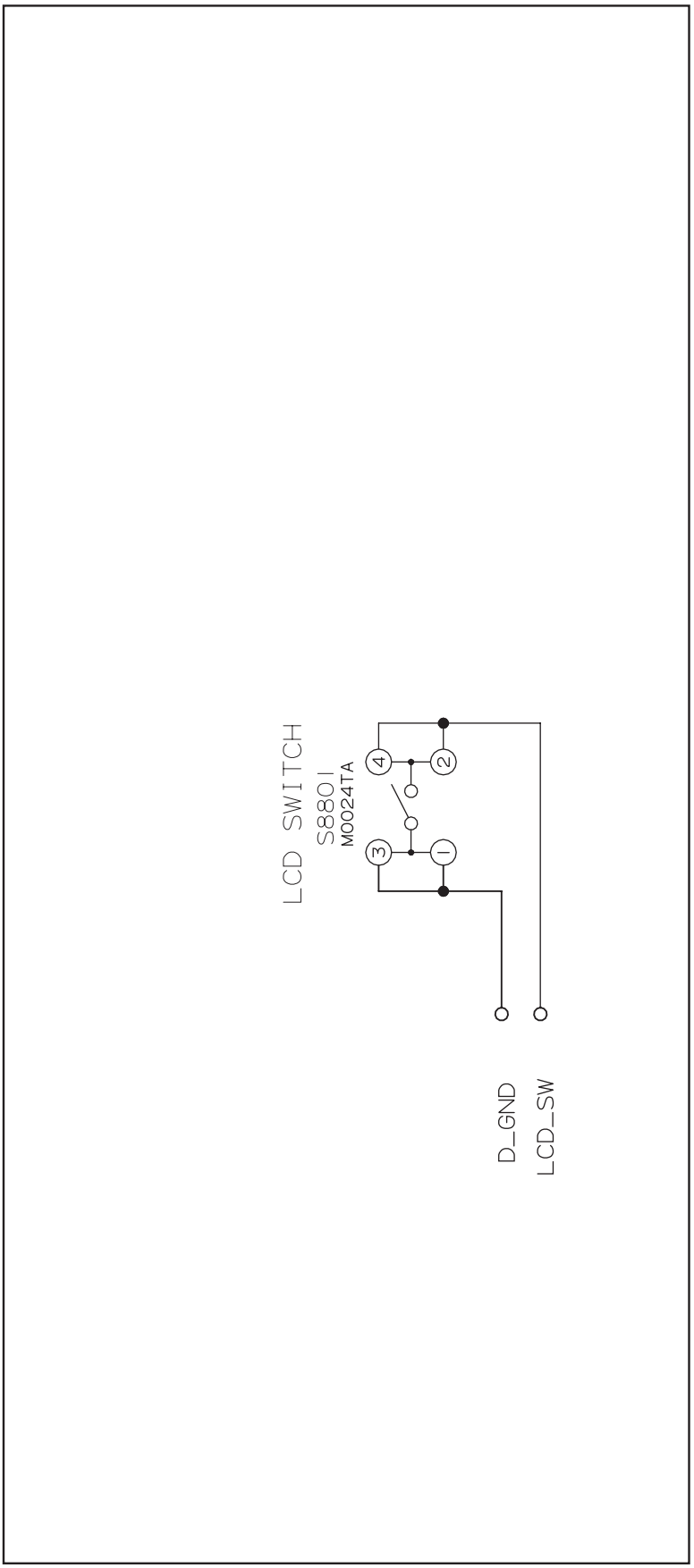
⚠ AND SHADED COMPONENTS=SAFETY RELATED PARTS



10-9. OPERATE CIRCUIT SCHEMATIC DIAGRAM

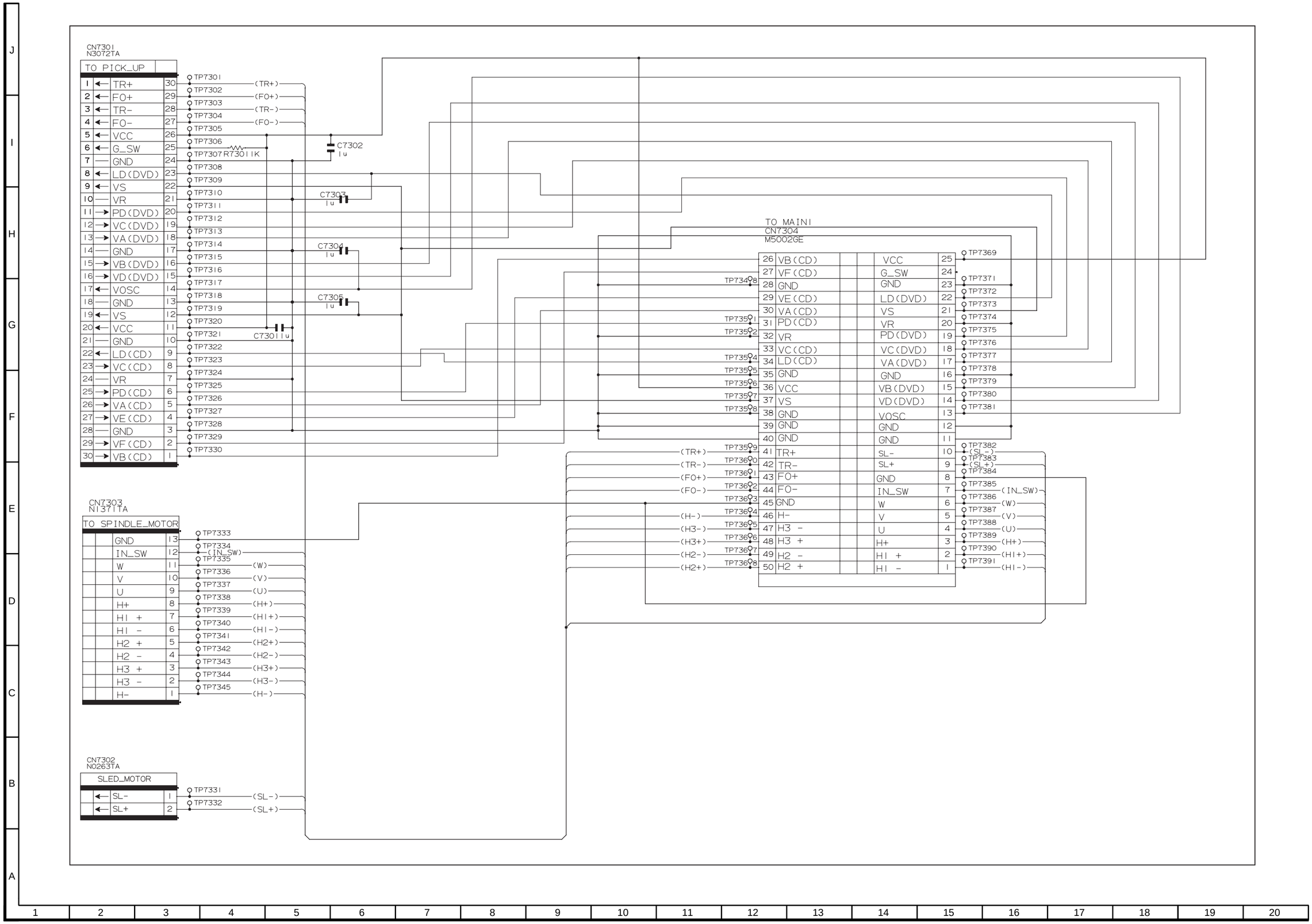


10-10. LCD SW CIRCUIT SCHEMATIC DIAGRAM



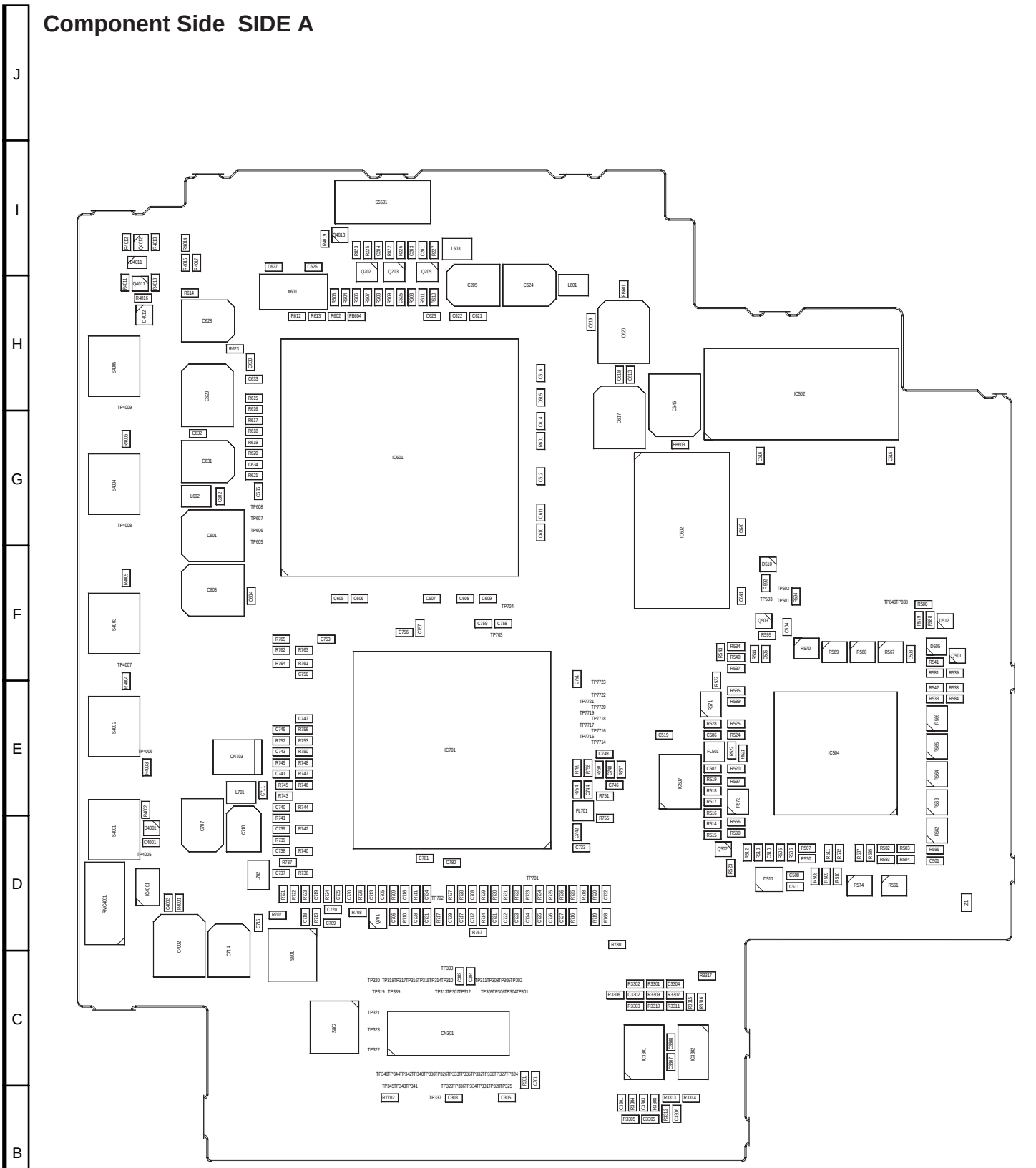
DV-L88S/S(H)
DV-L88W/W(A)

10-11. RF&MOTOR CIRCUIT SCHEMATIC DIAGRAM

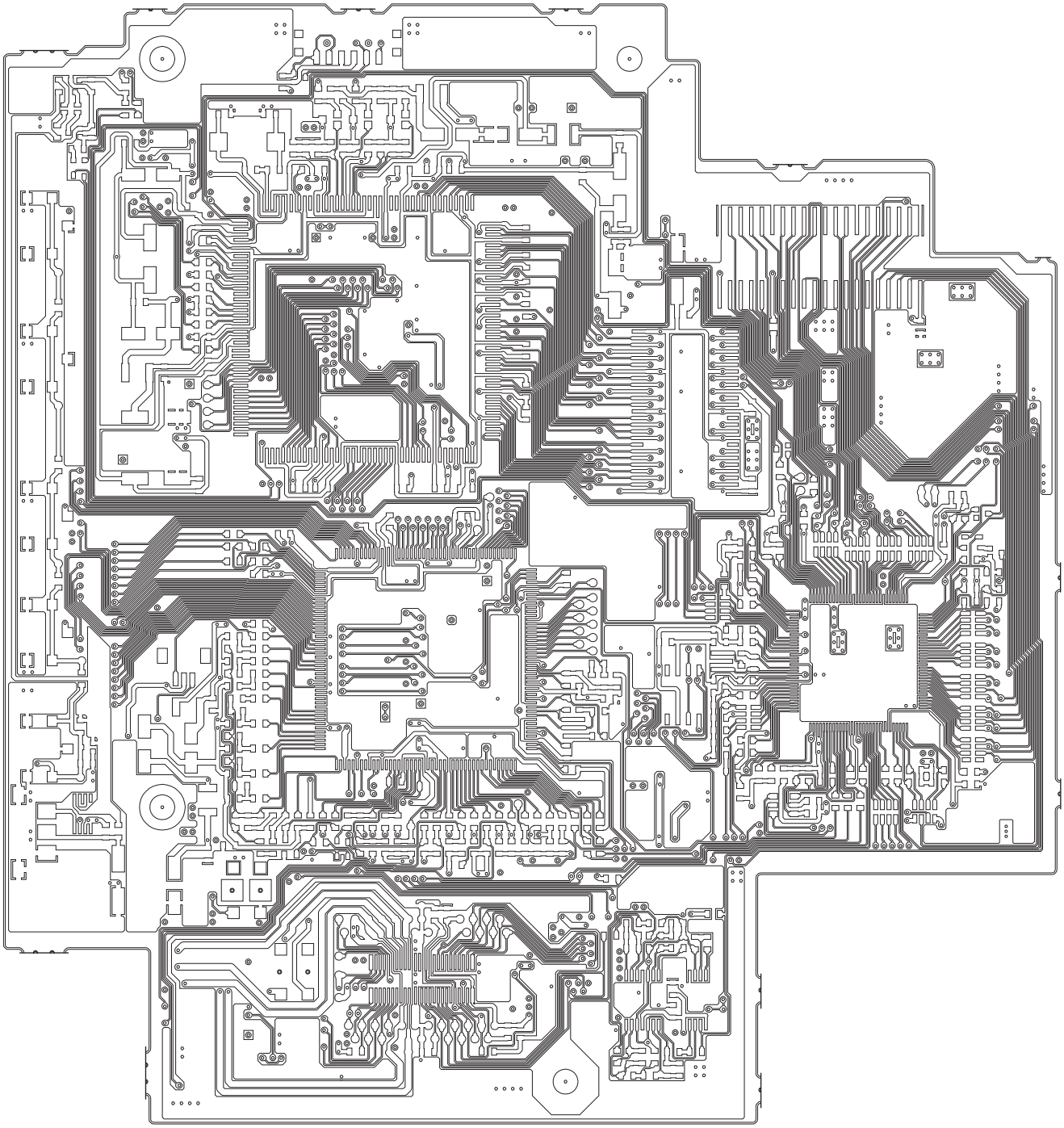


11. PRINTED WIRING BOARD ASSEMBLIES 11-1. MAIN PWB

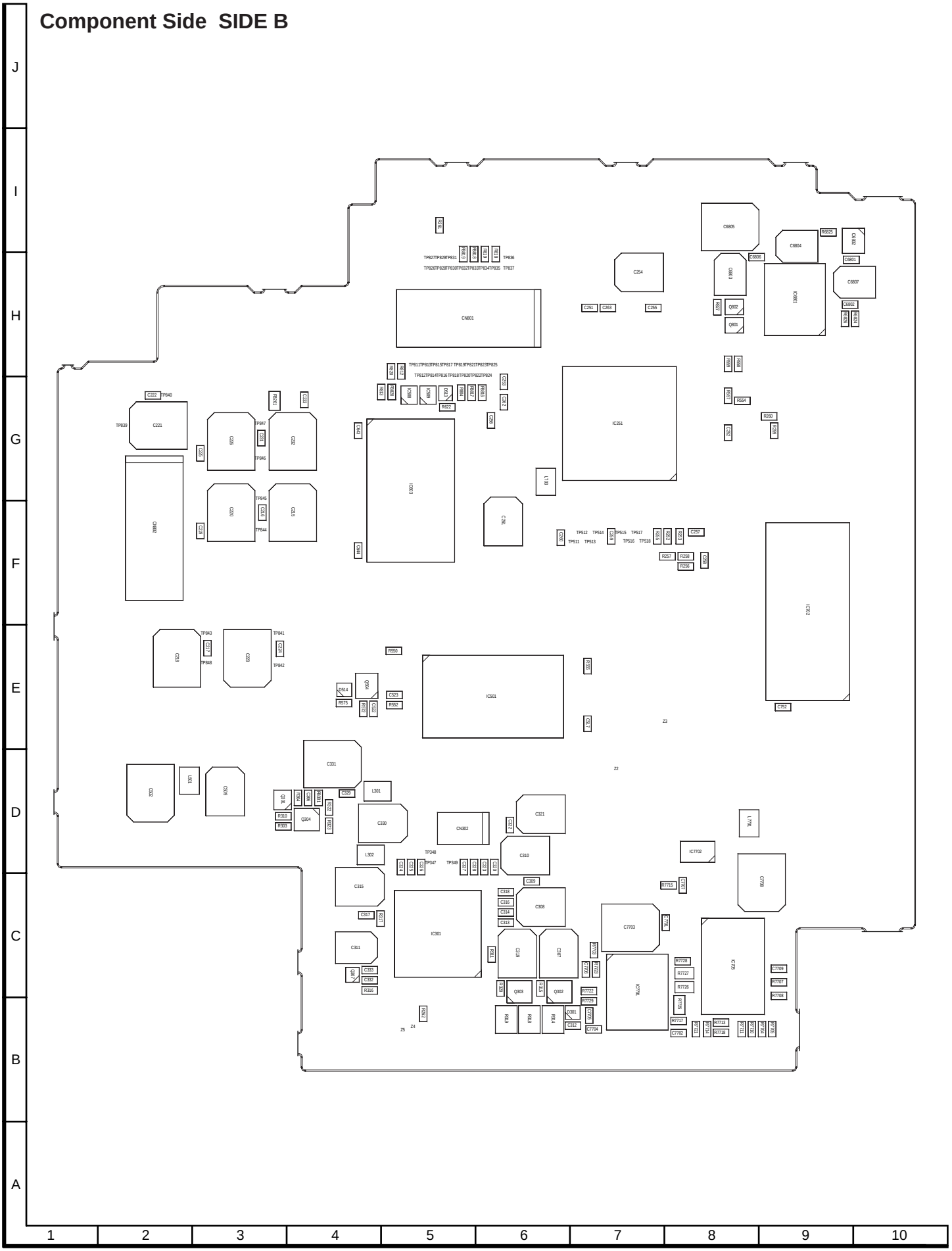
Component Side SIDE A



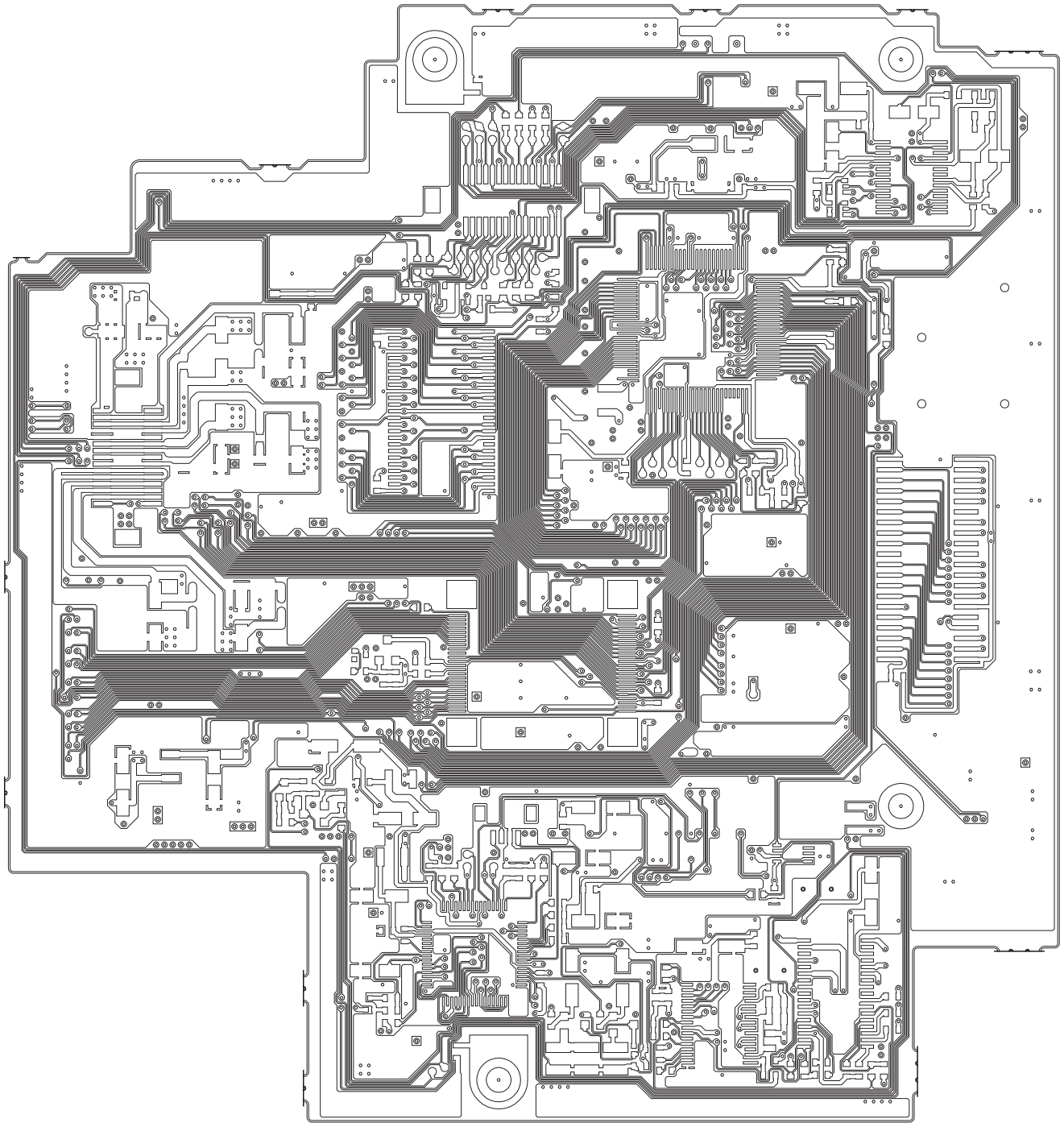
Wiring Side SIDE A



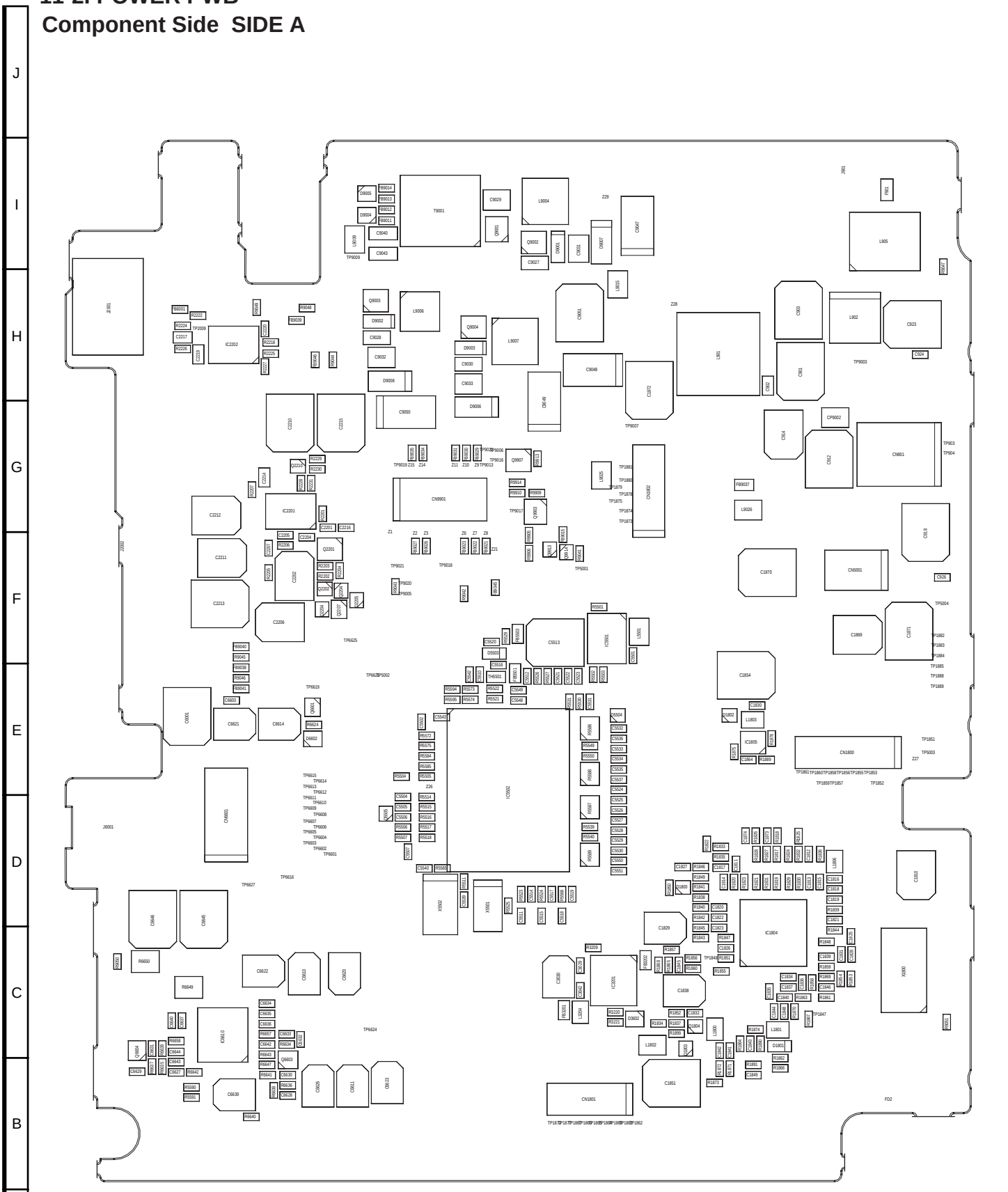
Component Side SIDE B



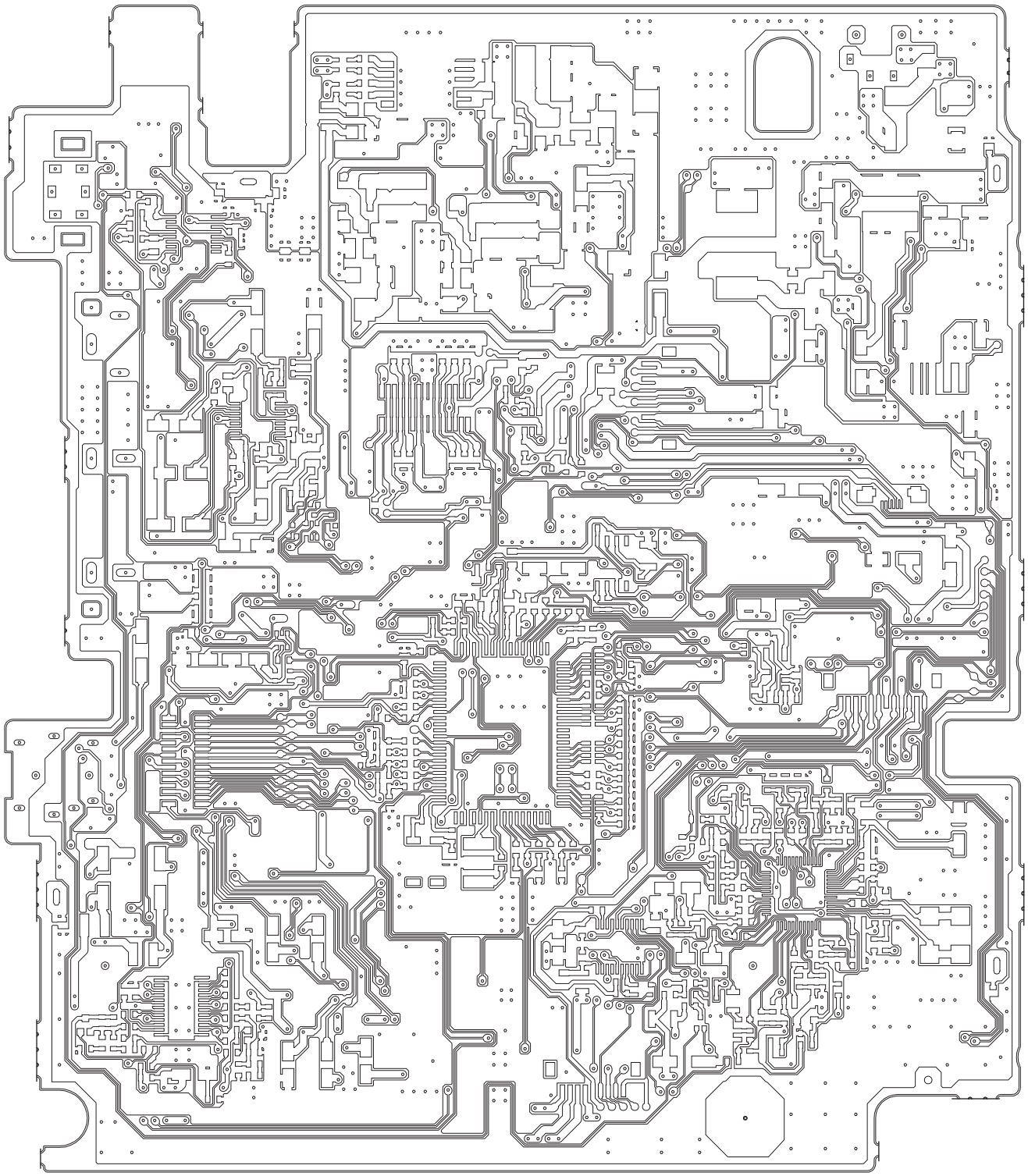
Wiring Side SIDE B



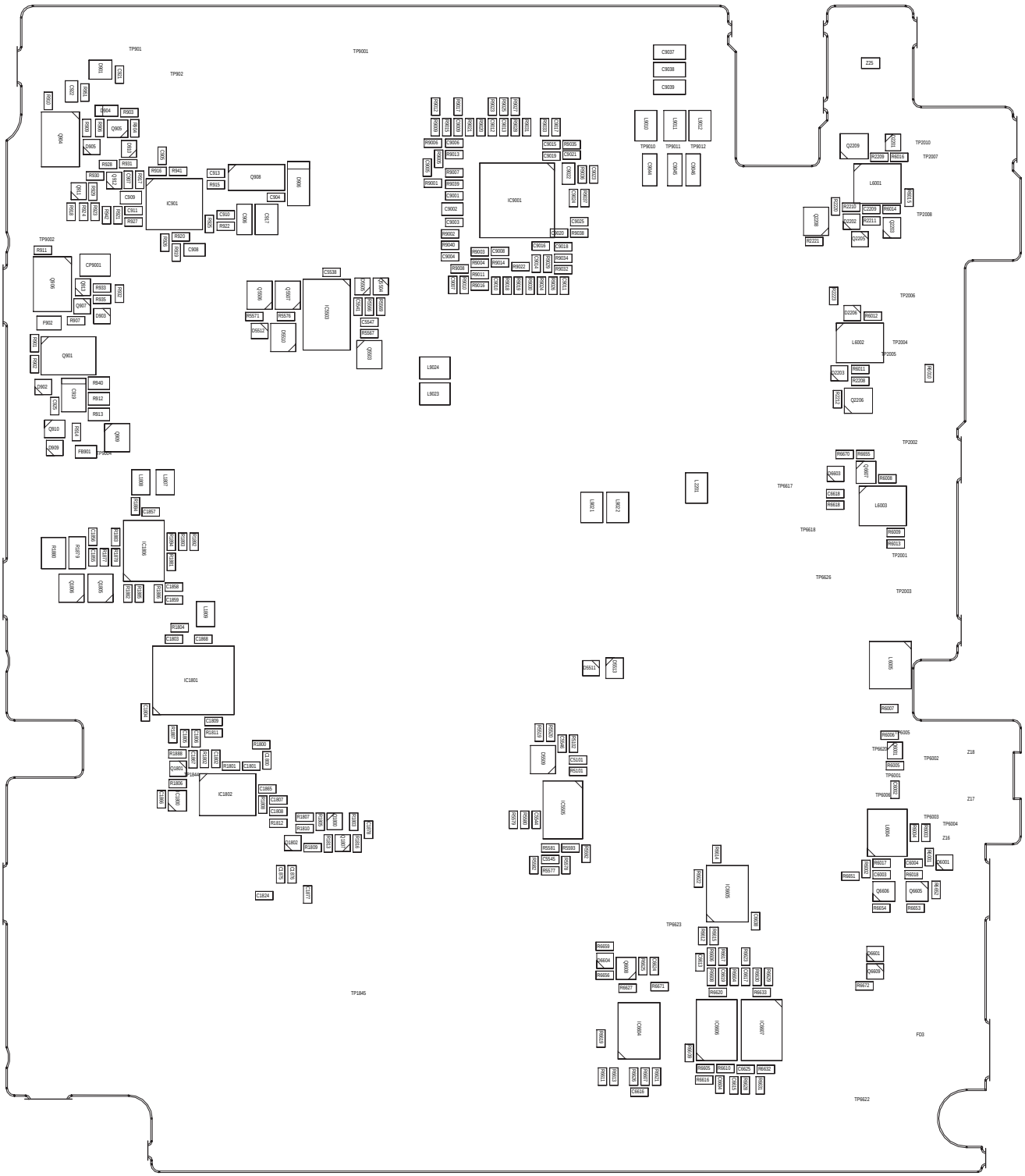
11-2. POWER PWB
Component Side SIDE A



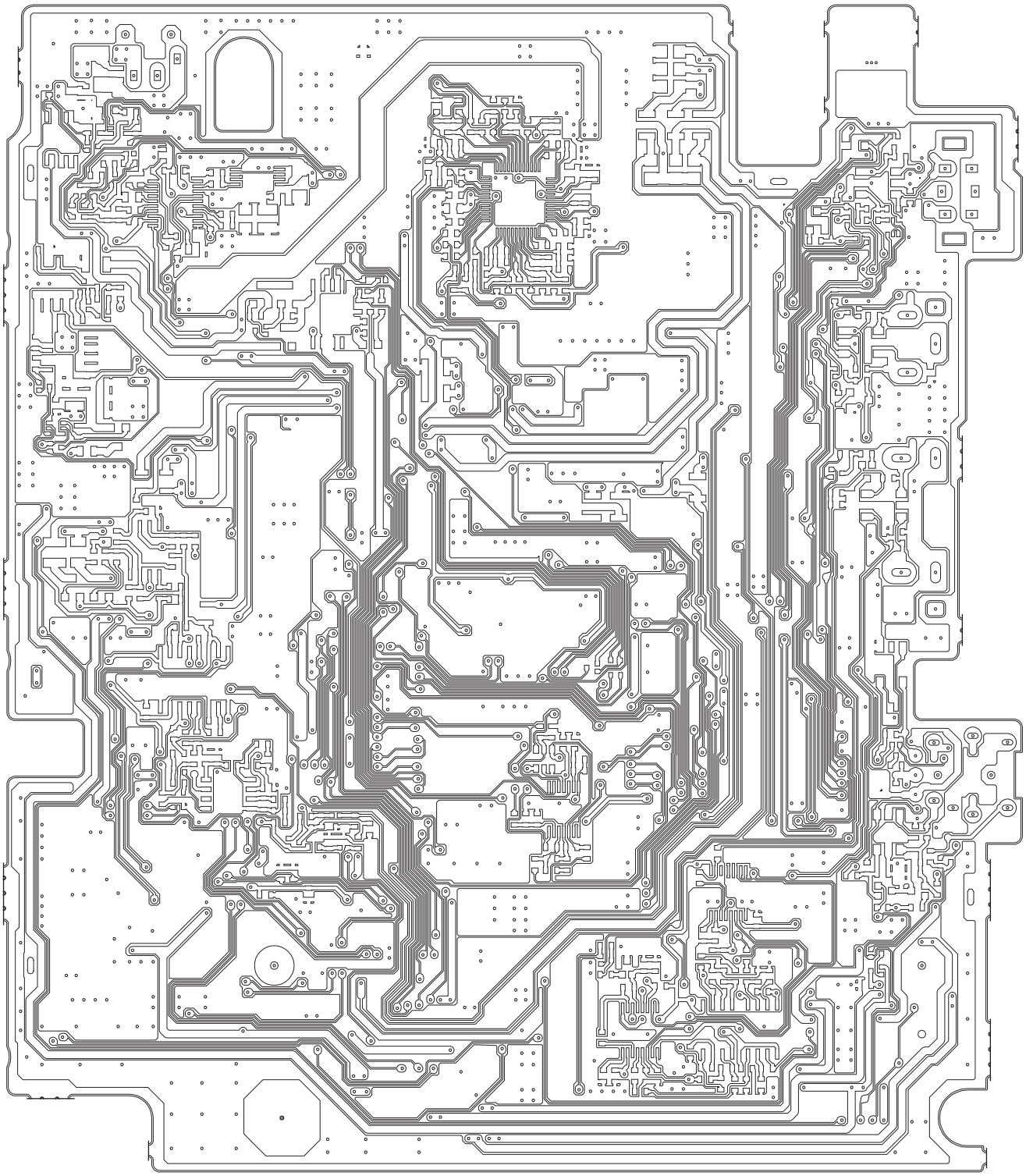
Wiring Side SIDE A



Component Side SIDE B

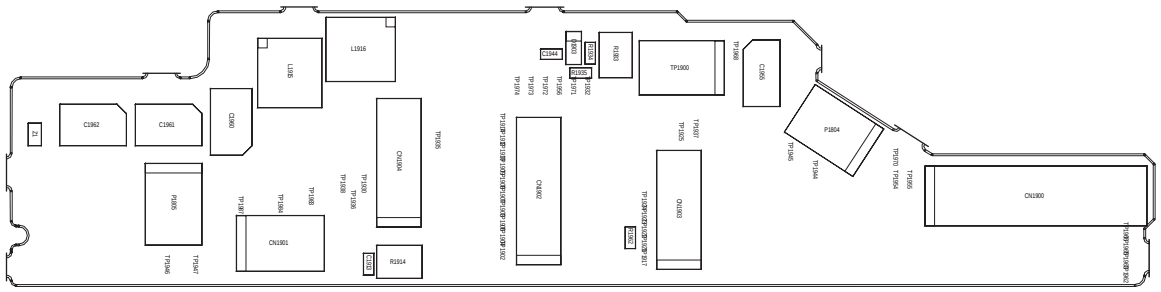


Wiring Side SIDE B

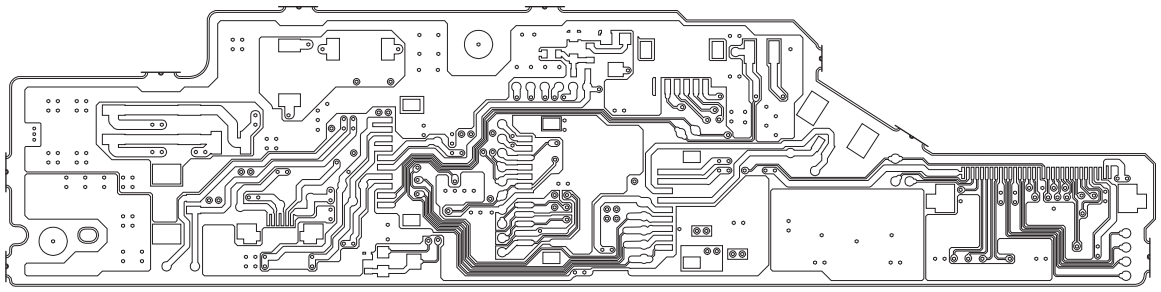


11-3. LCD CTL PWB

Component Side SIDE A

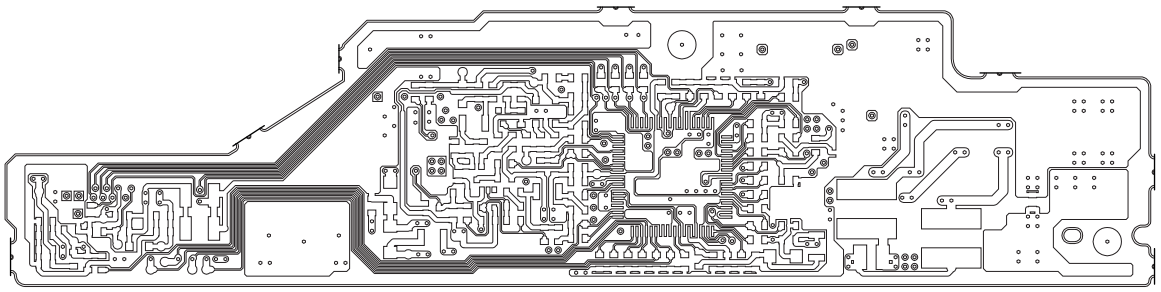


Wiring Side SIDE A



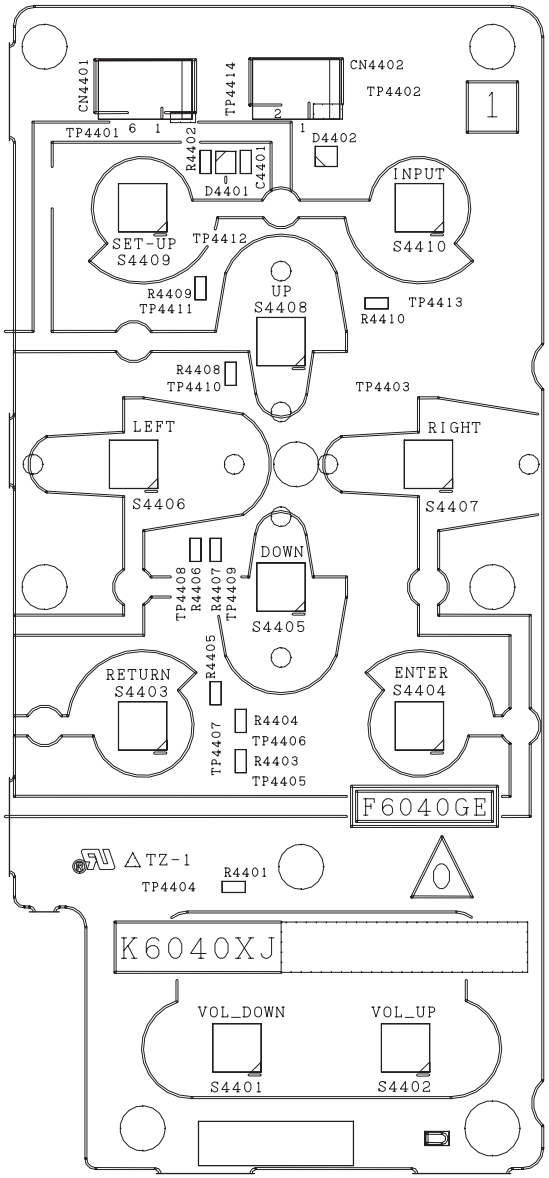
Component Side SIDE B

Wiring Side SIDE B

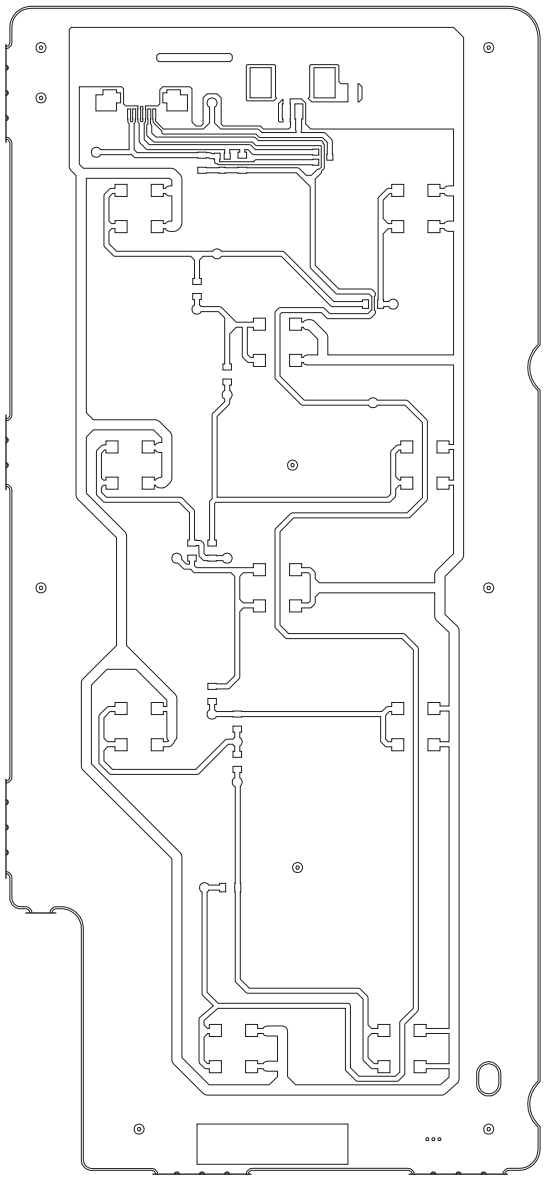


11-4. OPERATE PWB

Component Side



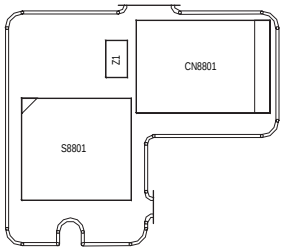
Wiring Side



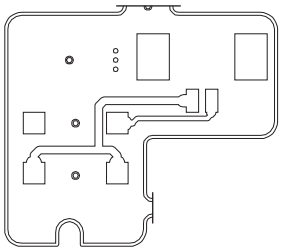
11-5. LCD SW, RF&MOTOR PWB

LCD SW

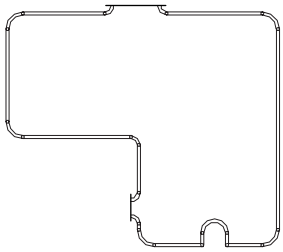
Component Side SIDE A



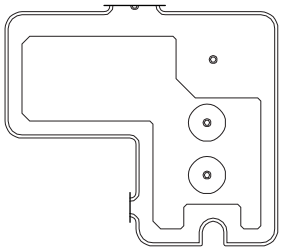
Wiring Side SIDE A



Component Side SIDE B

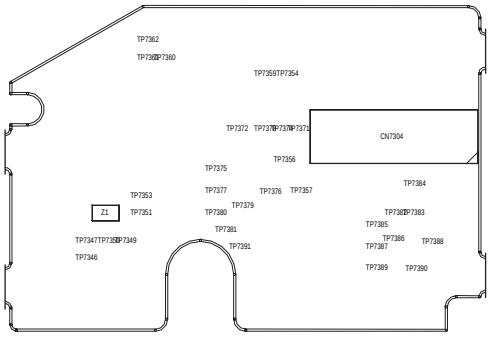


Wiring Side SIDE B

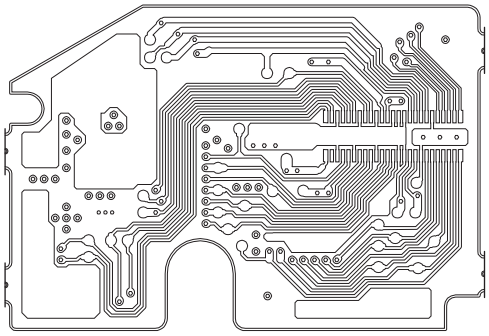


RF&MOTOR

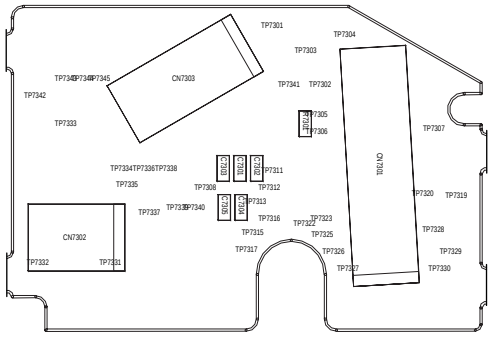
Component Side SIDE A



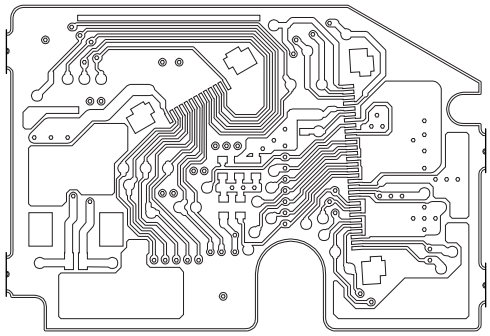
Wiring Side SIDE A



Component Side SIDE B



Wiring Side SIDE B



1	2	3	4	5	6	7	8	9	10

J I H G F E D C B A

12. REPLACEMENT PARTS LIST/ EXPLODED VIEWS

ELECTRICAL PARTS LIST

Parts marked with "⚠" are important for maintaining the safety of the set. Be sure to replace these parts with specified ones for maintaining the safety and performance of the set.

"HOW TO ORDER REPLACEMENT PARTS"

★MARK : SPARE PARTS-DELIVERY SECTION : ALL JAPAN

To have your order filled promptly and correctly, please furnish the following informations.

1. MODEL NUMBER **2. REF. NO.**
3. PART NO. **4. DESCRIPTION**
5. PRICE CODE

⚠ **MARK: SAFETY RELATED PARTS**

PWB ASSEMBLY IS NOT REPLACEMENT ITEM

Ref. No.	Part No.	★	Description	Code

PRINTED WIRING BOARD ASSEMBLIES *(NOT REPLACEMENT ITEM)*

	DUNTK6036KE51	Main PWB Unit (DV-L88S/S(H))	—
	DUNTK6036KE52	Main PWB Unit (DV-L88W/W(A))	—
	DUNTK6037KE51	LCD CTL PWB Unit (DV-L88S/S(H))	—
	DUNTK6037KE52	LCD CTL PWB Unit (DV-L88W/W(A))	—
	DUNTK6038KE51	Power PWB Unit (DV-L88S/S(H))	—
	DUNTK6038KE52	Power PWB Unit (DV-L88W/W(A))	—
	DUNTK6040KE51	Operate PWB Unit (DV-L88S/S(H))	—
	DUNTK6040KE52	Operate PWB Unit (DV-L88W/W(A))	—
	DUNTK6041KE51	RF&Motor PWB Unit (DV-L88S/S(H))	—
	DUNTK6041KE52	RF&Motor PWB Unit (DV-L88W/W(A))	—
	DUNTK6052KE51	LCD SW PWB Unit (DV-L88S/S(H))	—
	DUNTK6052KE52	LCD SW PWB Unit (DV-L88W/W(A))	—

DUNTK6036KE51(DV-L88S/S(H)) DUNTK6036KE52(DV-L88W/W(A)) MAIN PWB UNIT

INTEGRATED CIRCUITS

IC251	RH-iX1761GEZZQ	IX1761GE	AW
IC301	VHiTA1323F+-1Q	TA1323F+, RF Processor	AV
IC501	RH-iX1762GEZZQ	IX1762GE, Flash Memory	AY
IC502	RH-iX1717GEZZ	IX1717GE, 4M DRAM	AX
IC504	RH-iX1687GEZZ	IX1687GE, Micro Com.	BD
IC507	VHiBR93L66F-1	BR93L66F, E^2PROM	AH
IC508	VHiSNT1G08C-1	SNT1G08C	AD
IC509	VHiSNT1G08C-1	SNT1G08C	AD
IC601	RH-iX1720GEZZQ	IX1720GE, AV Decoder	BG
IC602	RH-iX3455CEZZ	IX3455CE, 16M SDRAM	AZ
IC603	RH-iX3455CEZZ	IX3455CE, 16M SDRAM	AZ
IC701	VHiTC94A03F-1Q	TC94A03F, Servo ECC	BC
IC702	RH-iX3420CEZZ	IX3420CE, 4M EDO DRAM	AT
IC705	VHiAN8738SB-1	AN8738SB	AL
IC4001	VHiTC7W14U/-1	TC7W14U	AG
IC6801	VHiPCM1737E-1Y	PCM1737E, Audio DAC	AN
IC7701	VHiAN8484SA-1Y	AN8484SA, Spin Driver	AM
IC7702	VHiSN2G53CT-1	SN2G53CT	AE

TRANSISTORS

Q202	VS2SA1576//-1	2SA1576	AB
Q203	VS2SA1576//-1	2SA1576	AB
Q301	VS2SA1576//-1	2SA1576	AB
Q302	VS2SA1298Y/-1	2SA1298Y	AB
Q303	VS2SA1298Y/-1	2SA1298Y	AB
Q304	VS2SA1298Y/-1	2SA1298Y	AB
Q307	VSDTC144EE/-1	DTC144EE	AA
Q501	VSDTA144EE/-1	DTA144EE	AA
Q502	VSDTC144EE/-1	DTC144EE	AA
Q503	VSDTC114EE/-1	DTC114EE	AB
Q504	VS2SA1298Y/-1	2SA1298Y	AB
Q701	VSRN1704///-1	RN1704	AC
Q801	VSRN4904///-1	RN4904	AB
Q802	VSRN4904///-1	RN4904	AB
Q4011	VS2SC4738Y/-1	2SC4738Y	AA
Q4012	VS2SC4738Y/-1	2SC4738Y	AA
Q4013	VSDTC144EE/-1	DTC144EE	AA

DIODES AND LED

D301	VHDDAP222//-1	DAP222	AA
D505	VHDDA227///-1	DA227	AB
D510	VHDMA132K//-1	MA132K	AA
D511	VHDiMN10///-1	IMN10	AB
D512	VHDMA132K//-1	MA132K	AA
D513	VHDMA132K//-1	MA132K	AA
D514	VHDMA132K//-1	MA132K	AA
D601	VHDMA132K//-1	MA132K	AA
D4001	VHDDA221///-1	DA221	AB
D4011	RH-PX0421CEZZ	PhotoDiode	AD
D4012	VHDDA227///-1	DA227	AB

PACKAGED CIRCUIT

X601	RCRSC0039GEZZY	Crystal, CRSC0039GE	AH

FILTER

FL501	RFiLC0207GEZZ	Filter, FiLC0207GE	AD

COILS

L301	VP-NM100KR42N	Peaking, 10µH	AB
L302	VP-NM100KR42N	Peaking, 10µH	AB
L501	VP-NM470K2R0N	Peaking, 47µH	AB
L601	VP-NM470K2R0N	Peaking, 47µH	AB
L602	VP-NM470K2R0N	Peaking, 47µH	AB
L603	VP-NM100KR42N	Peaking, 10µH	AB
L701	VP-NM1R0MR10N	Peaking, 1µH	AB
L702	VP-NM1R0MR10N	Peaking, 1µH	AB
L703	VP-NM470K2R0N	Peaking, 47µH	AB

CAPACITORS

C203	VCKYCY1CB104K	0.1	16V	Ceramic	AB
C204	VCKYCY1CB104K	0.1	16V	Ceramic	AB
C205	VCEAPV0JW476M	47	6.3V	Electrolytic	AD
C215	RC-EZ0475GEZZ	220	6.3V	Electrolytic	AD
C216	VCKYCY1HB103K	0.01	50V	Ceramic	AA
C217	VCKYCY1HB103K	0.01	50V	Ceramic	AA
C218	RC-EZ0475GEZZ	220	6.3V	Electrolytic	AD
C219	VCKYCY1HB103K	0.01	50V	Ceramic	AA
C220	RC-EZ0475GEZZ	220	6.3V	Electrolytic	AD
C221	RC-EZ0475GEZZ	220	6.3V	Electrolytic	AD
C222	VCKYCY1HB103K	0.01	50V	Ceramic	AA
C223	RC-EZ0475GEZZ	220	6.3V	Electrolytic	AD
C224	VCKYCY1HB103K	0.01	50V	Ceramic	AA
C225	VCKYCY1HB103K	0.01	50V	Ceramic	AA
C226	RC-EZ0475GEZZ	220	6.3V	Electrolytic	AD
C231	VCKYCY1HB103K	0.01	50V	Ceramic	AA

DUNTK6036KE51(DV-L88S/S(H))
DUNTK6036KE52(DV-L88W/W(A))
MAIN PWB UNIT(Continued)

Ref. No.	Part No.	★	Description			Code
C232	RC-EZ0475GEZZ		220	6.3V	Electrolytic	AD
C233	VCKYCY1HB103K		0.01	50V	Ceramic	AA
C251	VCKYCY1EB103K		0.01	25V	Ceramic	AA
C252	VCKYCY1EB103K		0.01	25V	Ceramic	AA
C253	VCKYCY1EB103K		0.01	25V	Ceramic	AA
C254	VCEAPF0JW476M		47	6.3V	Electrolytic	AB
C255	VCKYCY1EB103K		0.01	25V	Ceramic	AA
C256	VCKYCY1EB103K		0.01	25V	Ceramic	AA
C257	VCKYCY1EB103K		0.01	25V	Ceramic	AA
C258	VCKYCY1HB472K		4700p	50V	Ceramic	AA
C259	VCKYCY1EB103K		0.01	25V	Ceramic	AA
C260	VCKYCY1EB103K		0.01	25V	Ceramic	AA
C261	VCEAPF0JW476M		47	6.3V	Electrolytic	AB
C262	VCKYCY1EB103K		0.01	25V	Ceramic	AA
C263	VCKYCY1EB103K		0.01	25V	Ceramic	AA
C301	VCKYCY0JF105Z		1	6.3V	Ceramic	AB
C302	VCKYCY0JF105Z		1	6.3V	Ceramic	AB
C303	VCKYCY0JF105Z		1	6.3V	Ceramic	AB
C304	VCKYCY0JF105Z		1	6.3V	Ceramic	AB
C305	VCKYCY0JF105Z		1	6.3V	Ceramic	AB
C306	VCKYCY1HB103K		0.01	50V	Ceramic	AA
C307	VCEAPF0JW476M		47	6.3V	Electrolytic	AB
C308	VCEAPF0JW476M		47	6.3V	Electrolytic	AB
C309	VCKYCY1HB103K		0.01	50V	Ceramic	AA
C310	VCEAPF0JW476M		47	6.3V	Electrolytic	AB
C311	VCEAPF1HW225M		2.2	50V	Electrolytic	AB
C312	VCKYCY1HB103K		0.01	50V	Ceramic	AA
C313	VCKYCY1HB102K		1000p	50V	Ceramic	AA
C314	VCKYCY1HB102K		1000p	50V	Ceramic	AA
C315	VCEAPF0JW476M		47	6.3V	Electrolytic	AB
C316	VCKYCY1HB102K		1000p	50V	Ceramic	AA
C317	VCKYCY1CB104K		0.1	16V	Ceramic	AB
C318	VCKYCY1HB102K		1000p	50V	Ceramic	AA
C319	VCEAPF0JW476M		47	6.3V	Electrolytic	AB
C320	VCKYCY1CB104K		0.1	16V	Ceramic	AB
C321	VCEAPF0JW476M		47	6.3V	Electrolytic	AB
C322	VCKYCY1HB103K		0.01	50V	Ceramic	AA
C323	VCKYCY1CB104K		0.1	16V	Ceramic	AB
C324	VCKYCY1CB104K		0.1	16V	Ceramic	AB
C325	VCKYCY1HB472K		4700p	50V	Ceramic	AA
C326	VCKYCY1HB472K		4700p	50V	Ceramic	AA
C327	VCKYCY1CB104K		0.1	16V	Ceramic	AB
C328	VCKYCY1CB104K		0.1	16V	Ceramic	AB
C329	VCKYCY1CB104K		0.1	16V	Ceramic	AB
C330	VCEAPF0JW476M		47	6.3V	Electrolytic	AB
C331	VCEAPF0JW107M		100	6.3V	Electrolytic	AC
C332	VCKYCY1HB102K		1000p	50V	Ceramic	AA
C501	VCKYCY1CB104K		0.1	16V	Ceramic	AB
C502	VCEAPF0JW107M		100	6.3V	Electrolytic	AC
C503	VCKYCY1CB104K		0.1	16V	Ceramic	AB
C504	VCKYCY1CB104K		0.1	16V	Ceramic	AB
C505	VCKYCY1CB104K		0.1	16V	Ceramic	AB
C506	VCKYCY1CB104K		0.1	16V	Ceramic	AB
C507	VCKYCY1CB104K		0.1	16V	Ceramic	AB
C508	VCKYCY1CB104K		0.1	16V	Ceramic	AB
C509	VCEAPF0JW476M		47	6.3V	Electrolytic	AB
C510	VCKYCY1CB104K		0.1	16V	Ceramic	AB
C511	VCKYCY1CB104K		0.1	16V	Ceramic	AB
C515	VCKYCY1HB103K		0.01	50V	Ceramic	AA
C516	VCKYCY1HB103K		0.01	50V	Ceramic	AA
C517	VCKYCY1HB103K		0.01	50V	Ceramic	AA
C519	VCKYCY1HB103K		0.01	50V	Ceramic	AA
C522	VCKYCY0JF105Z		1	6.3V	Ceramic	AB
C523	VCKYCY1EB103K		0.01	25V	Ceramic	AA
C601	VCEAPV0GW227MY		220	4V	Electrolytic	AD
C602	VCKYCY1CB104K		0.1	16V	Ceramic	AB
C603	RC-EZ0475GEZZ		220	6.3V	Electrolytic	AD
C604	VCKYCY1CB104K		0.1	16V	Ceramic	AB
C605	VCKYCY1CB104K		0.1	16V	Ceramic	AB
C606	VCKYCY1CB104K		0.1	16V	Ceramic	AB
C607	VCKYCY1CB104K		0.1	16V	Ceramic	AB
C608	VCKYCY1CB104K		0.1	16V	Ceramic	AB
C609	VCKYCY1CB104K		0.1	16V	Ceramic	AB
C610	VCKYCY1CB104K		0.1	16V	Ceramic	AB
C611	VCKYCY1CB104K		0.1	16V	Ceramic	AB
C612	VCKYCY1CB104K		0.1	16V	Ceramic	AB
C613	VCKYCY1CB104K		0.1	16V	Ceramic	AB
C614	VCKYCY1CB104K		0.1	16V	Ceramic	AB
C615	VCKYCY1CB104K		0.1	16V	Ceramic	AB
C616	VCKYCY1CB104K		0.1	16V	Ceramic	AB
C617	RC-EZ0475GEZZ		220	6.3V	Electrolytic	AD
C618	VCKYCY1CB104K		0.1	16V	Ceramic	AB
C619	VCKYCY1CB104K		0.1	16V	Ceramic	AB
C620	RC-EZ0475GEZZ		220 (L88W/W(A))	6.3V	Electrolytic	AD
C620	RC-EZ0663GEZZ		Capacitor (L88S/S(H))			AH
C621	VCKYCY1CB104K		0.1	16V	Ceramic	AB
C622	VCKYCY1CB104K		0.1	16V	Ceramic	AB
C623	VCKYCY1CB104K		0.1	16V	Ceramic	AB
C624	VCEAPV0JW476M		47	6.3V	Electrolytic	AD
C625	VCKYCY1CB104K		0.1	16V	Ceramic	AB
C626	VCCCCY1HH100D		10p	50V	Ceramic	AA
C627	VCCCCY1HH100D		10p	50V	Ceramic	AA
C628	VCEAPF0JW476M		47	6.3V	Electrolytic	AB
C629	VCEAPV0GW227MY		220	4V	Electrolytic	AD
C630	VCKYCY1CB104K		0.1	16V	Ceramic	AB
C631	VCEAPF0JW476M		47	6.3V	Electrolytic	AB
C632	VCKYCY1CB104K		0.1	16V	Ceramic	AB
C633	VCKYCY1CB104K		0.1	16V	Ceramic	AB
C634	VCKYCY1CB104K		0.1	16V	Ceramic	AB
C635	VCKYCY1CB104K		0.1	16V	Ceramic	AB
C640	VCKYCY1CB104K		0.1	16V	Ceramic	AB
C641	VCKYCY1CB104K		0.1	16V	Ceramic	AB
C643	VCKYCY1CB104K		0.1	16V	Ceramic	AB
C644	VCKYCY1CB104K		0.1	16V	Ceramic	AB
C646	VCEAPF0JW107M		100	6.3V	Electrolytic	AC
C705	VCCCCY1HH221J		220p	50V	Ceramic	AA
C706	VCCCCY1HH221J		220p	50V	Ceramic	AA
C707	VCEAPF0JW476M		47	6.3V	Electrolytic	AB
C708	VCKYCY1CB104K		0.1	16V	Ceramic	AB
C709	VCCCCY1HH221J		220p	50V	Ceramic	AA
C710	VCEAPF1CW106M		10	16V	Electrolytic	AB
C711	VCKYCY1CB104K		0.1	16V	Ceramic	AB
C712	VCKYCY1CB104K		0.1	16V	Ceramic	AB
C713	VCKYCY1HB103K		0.01	50V	Ceramic	AA
C714	VCEAPF0JW476M		47	6.3V	Electrolytic	AB
C715	VCKYCY1CB104K		0.1	16V	Ceramic	AB
C716	VCCCCY1HH221J		220p	50V	Ceramic	AA
C717	VCCCCY1HH271J		270p	50V	Ceramic	AA
C718	VCKYCY1HB153K		0.015	50V	Ceramic	AA
C720	VCKYCY1HB682K		6800p	50V	Ceramic	AA
C721	VCKYCY1HB153K		0.015	50V	Ceramic	AA
C722	VCKYCY1HB153K		0.015	50V	Ceramic	AA
C723	VCKYCY1CB104K		0.1	16V	Ceramic	AB
C724	VCKYCY1CB104K		0.1	16V	Ceramic	AB
C725	VCKYCY1CB104K		0.1	16V	Ceramic	AB
C726	VCKYCY1CB104K		0.1	16V	Ceramic	AB
C727	VCKYCY1CB104K		0.1	16V	Ceramic	AB
C728	VCCCCY1HH221J		220p	50V	Ceramic	AA
C729	VCCCCY1HH561J		560p	50V	Ceramic	AB
C730	VCKYCY1CB104K		0.1	16V	Ceramic	AB
C731	VCKYCY1HB102K		1000p	50V	Ceramic	AA
C732	VCKYCY1CB104K		0.1	16V	Ceramic	AB
C733	VCKYCY1CB104K		0.1	16V	Ceramic	AB
C734	VCCCCY1HH561J		560p	50V	Ceramic	AB
C735	VCKYCY1HB103K		0.01	50V	Ceramic	AA
C741	VCKYCY1HB103K		0.01	50V	Ceramic	AA
C742	VCKYCY1CB104K		0.1	16V	Ceramic	AB
C744	VCKYCY1CB104K		0.1	16V	Ceramic	AB
C746	VCKYCY1CB104K		0.1	16V	Ceramic	AB
C747	VCKYCY1CB104K		0.1	16V	Ceramic	AB
C748	VCKYCY1HB103K		0.01	50V	Ceramic	AA
C749	VCKYCY1HB103K		0.01	50V	Ceramic	AA
C750	VCKYCY1CB104K		0.1	16V	Ceramic	AB
C751	VCKYCY1HB102K		1000p	50V	Ceramic	AA

DUNTK6036KE51(DV-L88S/S(H))
DUNTK6036KE52(DV-L88W/W(A))
MAIN PWB UNIT(Continued)

Ref. No.	Part No.	★	Description	Code
C752	VCKYCY1CB104K		0.1 16V Ceramic	AB
C753	VCKYCY1CB104K		0.1 16V Ceramic	AB
C756	VCKYCY1CB104K		0.1 16V Ceramic	AB
C757	VCKYCY1CB104K		0.1 16V Ceramic	AB
C758	VCKYCY1CB104K		0.1 16V Ceramic	AB
C759	VCKYCY1CB104K		0.1 16V Ceramic	AB
C4001	VCKYCY1CB104K		0.1 16V Ceramic	AB
C4002	VCEAPF1AW476M		47 10V Electrolytic	AB
C4003	VCKYCY1CB104K		0.1 16V Ceramic	AB
C4004	VCKYCY1CB104K		0.1 16V Ceramic	AB
C6802	VCKYCY1CB104K		0.1 16V Ceramic	AB
C6803	VCEAPF1CW106M		10 16V Electrolytic	AB
C6804	VCEAPF1CW106M		10 16V Electrolytic	AB
C6805	VCEAPF0JW107M		100 6.3V Electrolytic	AC
C6806	VCKYCY1CB104K		0.1 16V Ceramic	AB
C6807	VCEAPF1CW106M		10 16V Electrolytic	AB
C7701	VCKYCY1CB104K		0.1 16V Ceramic	AB
C7702	VCKYCY1CB104K		0.1 16V Ceramic	AB
C7703	VCEAPF1CW107M		100 16V Electrolytic	AD
C7704	VCKYCY1CB104K		0.1 16V Ceramic	AB
C7705	VCKYCY1CB104K		0.1 16V Ceramic	AB
C7707	VCKYCY1CB104K		0.1 16V Ceramic	AB
C7708	VCEAPF1CW107M		100 16V Electrolytic	AD
C7709	VCKYCY1CB104K		0.1 16V Ceramic	AB
FL701	RCRMC0001GEZZY		Ceramic VIBRATOR	AD

RESISTORS

FB601	VRS-CY1JF100J		10 1/16W Metal Oxide		AA
FB603	VRS-CY1JF100J		10 1/16W Metal Oxide (L88S/S(H))		AA
FB603	VRS-CY1JF4R7J		4.7 1/16W Metal Oxide (L88W/W(A))		AA
FB821	VRS-CY1JF000J		0 1/16W Metal Oxide		AA
L7701	VRS-TQ2BD000J		0 1/8W Metal Oxide		AA
R225	VRS-CY1JF681J		680 1/16W Metal Oxide		AA
R226	VRS-CY1JF681J		680 1/16W Metal Oxide		AA
R252	VRS-CY1JF562J		5.6k 1/16W Metal Oxide		AA
R253	VRS-CY1JF103J		10k 1/16W Metal Oxide		AA
R255	VRS-CY1JF473J		47k 1/16W Metal Oxide		AA
R256	VRS-CY1JF562J		5.6k 1/16W Metal Oxide		AA
R257	VRS-CY1JF103J		10k 1/16W Metal Oxide		AA
R260	VRS-CY1JF103J		10k 1/16W Metal Oxide		AA
R263	VRS-CY1JF000J		0 1/16W Metal Oxide		AA
R264	VRS-CY1JF000J		0 1/16W Metal Oxide		AA
R265	VRS-CY1JF000J		0 1/16W Metal Oxide		AA
R266	VRS-CY1JF000J		0 1/16W Metal Oxide		AA
R267	VRS-CY1JF000J		0 1/16W Metal Oxide		AA
R268	VRS-CY1JF000J		0 1/16W Metal Oxide		AA
R301	VRS-CY1JF102J		1k 1/16W Metal Oxide		AA
R303	VRS-CY1JF222J		2.2k 1/16W Metal Oxide		AA
R310	VRS-CY1JF472J		4.7k 1/16W Metal Oxide		AA
R311	VRS-CY1JF335J		3.3M 1/16W Metal Oxide		AA
R314	VRS-TW2ED470J		47 1/4W Metal Oxide		AA
R315	VRS-CY1JF471J		470 1/16W Metal Oxide		AA
R316	VRS-CY1JF335J		3.3M 1/16W Metal Oxide		AA
R317	VRS-CY1JF103J		10k 1/16W Metal Oxide		AA
R318	VRS-TW2ED470J		47 1/4W Metal Oxide		AA
R319	VRS-TW2ED470J		47 1/4W Metal Oxide		AA
R320	VRS-CY1JF471J		470 1/16W Metal Oxide		AA
R322	VRS-CY1JF222J		2.2k 1/16W Metal Oxide		AA
R323	VRS-CY1JF471J		470 1/16W Metal Oxide		AA
R502	VRS-CY1JF103J		10k 1/16W Metal Oxide		AA
R503	VRS-CY1JF103J		10k 1/16W Metal Oxide		AA
R504	VRS-CY1JF103J		10k 1/16W Metal Oxide		AA
R505	VRS-CY1JF103J		10k 1/16W Metal Oxide		AA
R506	VRS-CY1JF103J		10k 1/16W Metal Oxide		AA
R507	VRS-CY1JF332J		3.3k 1/16W Metal Oxide		AA
R508	VRS-CY1JF100J		10 1/16W Metal Oxide		AA
R509	VRS-CY1JF100J		10 1/16W Metal Oxide		AA
R510	VRS-CY1JF100J		10 1/16W Metal Oxide		AA
R511	VRS-CY1JF103J		10k 1/16W Metal Oxide		AA
R512	VRS-CY1JF473J		47k 1/16W Metal Oxide		AA
R513	VRS-CY1JF472J		4.7k 1/16W Metal Oxide		AA
R514	VRS-CY1JF102J		1k 1/16W Metal Oxide		AA
R515	VRS-CY1JF103J		10k 1/16W Metal Oxide		AA
R516	VRS-CY1JF103J		10k 1/16W Metal Oxide		AA
R517	VRS-CY1JF102J		1k 1/16W Metal Oxide		AA
R518	VRS-CY1JF102J		1k 1/16W Metal Oxide		AA
R519	VRS-CY1JF102J		1k 1/16W Metal Oxide		AA
R520	VRS-CY1JF103J		10k 1/16W Metal Oxide		AA
R522	VRS-CY1JF100J		10 1/16W Metal Oxide		AA
R523	VRS-CY1JF223J		22k 1/16W Metal Oxide		AA
R524	VRS-CY1JF103J		10k 1/16W Metal Oxide		AA
R525	VRS-CY1JF103J		10k 1/16W Metal Oxide		AA
R528	VRS-CY1JF103J		10k 1/16W Metal Oxide		AA
R530	VRS-CY1JF103J		10k 1/16W Metal Oxide		AA
R533	VRS-CY1JF103J		10k 1/16W Metal Oxide		AA
R534	VRS-CY1JF103J		10k 1/16W Metal Oxide		AA
R535	VRS-CY1JF103J		10k 1/16W Metal Oxide		AA
R537	VRS-CY1JF103J		10k 1/16W Metal Oxide		AA
R538	VRS-CY1JF103J		10k 1/16W Metal Oxide		AA
R539	VRS-CY1JF473J		47k 1/16W Metal Oxide		AA
R540	VRS-CY1JF472J		4.7k 1/16W Metal Oxide		AA
R541	VRS-CY1JF102J		1k 1/16W Metal Oxide		AA
R542	VRS-CY1JF103J		10k 1/16W Metal Oxide		AA
R543	VRS-CY1JF103J		10k 1/16W Metal Oxide		AA
R544	VRS-CY1JF472J		4.7k 1/16W Metal Oxide		AA
R552	VRS-CY1JF000J		0 1/16W Metal Oxide		AA
R555	VRS-CY1JF000J		0 1/16W Metal Oxide		AA
R556	VRS-CY1JF103J		10k 1/16W Metal Oxide		AA
R557	VRS-CY1JF103J		10k 1/16W Metal Oxide		AA
R559	VRS-CY1JF103J		10k 1/16W Metal Oxide		AA
R561	VRS-CB1JF101J		100 1/16W Metal Oxide		AA
R562	VRS-CB1JF101J		100 1/16W Metal Oxide		AA
R563	VRS-CB1JF101J		100 1/16W Metal Oxide		AA
R564	VRS-CB1JF101J		100 1/16W Metal Oxide		AA
R565	VRS-CB1JF101J		100 1/16W Metal Oxide		AA
R566	VRS-CB1JF101J		100 1/16W Metal Oxide		AA
R567	VRS-CB1JF101J		100 1/16W Metal Oxide		AA
R568	VRS-CB1JF101J		100 1/16W Metal Oxide		AA
R569	VRS-CB1JF101J		100 1/16W Metal Oxide		AA
R570	VRS-CB1JF101J		100 1/16W Metal Oxide		AA
R571	VRS-CB1JF101J		100 1/16W Metal Oxide		AA
R572	VRS-CY1JF472J		4.7k 1/16W Metal Oxide		AA
R573	VRS-CB1JF101J		100 1/16W Metal Oxide		AA
R574	VRS-CB1JF101J		100 1/16W Metal Oxide		AA
R575	VRS-CY1JF222J		2.2k 1/16W Metal Oxide		AA
R579	VRS-CY1JF102J		1k 1/16W Metal Oxide		AA
R580	VRS-CY1JF102J		1k 1/16W Metal Oxide		AA
R581	VRS-CY1JF103J		10k 1/16W Metal Oxide		AA
R582	VRS-CY1JF101J		100 1/16W Metal Oxide		AA
R584	VRS-CY1JF101J		100 1/16W Metal Oxide		AA
R585	VRS-CY1JF101J		100 1/16W Metal Oxide		AA
R587	VRS-CY1JF101J		100 1/16W Metal Oxide		AA
R588	VRS-CY1JF101J		100 1/16W Metal Oxide		AA
R589	VRS-CY1JF101J		100 1/16W Metal Oxide		AA
R590	VRS-CY1JF101J		100 1/16W Metal Oxide		AA
R592	VRS-CY1JF101J		100 1/16W Metal Oxide		AA
R593	VRS-CY1JF102J		1k 1/16W Metal Oxide		AA
R594	VRS-CY1JF101J		100 1/16W Metal Oxide		AA
R595	VRS-CY1JF103J		10k 1/16W Metal Oxide		AA
R596	VRS-CY1JF101J		100 1/16W Metal Oxide		AA
R597	VRS-CY1JF101J		100 1/16W Metal Oxide		AA
R598	VRS-CY1JF101J		100 1/16W Metal Oxide		AA
R601	VRS-CY1JF100J		10 1/16W Metal Oxide		AA
R602	VRS-CY1JF103J		10k 1/16W Metal Oxide		AA
R603	VRS-CY1JF560F		56 1/16W Metal Oxide		AA
R604	VRS-CY1JF391F		390 1/16W Metal Oxide		AA
R607	VRS-CY1JF750F		75 1/16W Metal Oxide		AA
R608	VRS-CY1JF680F		68 1/16W Metal Oxide		AA
R609	VRS-CY1JF821F		820 1/16W Metal Oxide		AA
R612	VRS-CY1JF684J		680k 1/16W Metal Oxide		AA
R613	VRS-CY1JF101J		100 1/16W Metal Oxide		AA
R616	VRS-CY1JF391J		390 1/16W Metal Oxide		AA
R617	VRS-CY1JF221J		220 1/16W Metal Oxide		AA
R620	VRS-CY1JF221J		220 1/16W Metal Oxide		AA

DUNTK6036KE51(DV-L88S/S(H))
DUNTK6036KE52(DV-L88W/W(A))
MAIN PWB UNIT(Continued)

Ref. No.	Part No.	★	Description	Code
R621	VRS-CY1JF221J		220 1/16W Metal Oxide	AA
R622	VRS-CY1JF473J		47k 1/16W Metal Oxide	AA
R623	VRS-CY1JF180J		18 1/16W Metal Oxide	AA
R624	VRS-CY1JF472J		4.7k 1/16W Metal Oxide	AA
R625	VRS-CY1JF472J		4.7k 1/16W Metal Oxide	AA
R626	VRS-CY1JF472J		4.7k 1/16W Metal Oxide	AA
R627	VRS-CY1JF000J		0 1/16W Metal Oxide	AA
R707	VRS-CY1JF000J		0 1/16W Metal Oxide	AA
R708	VRS-CY1JF123J		12k 1/16W Metal Oxide	AA
R709	VRS-CY1JF123J		12k 1/16W Metal Oxide	AA
R710	VRS-CY1JF123J		12k 1/16W Metal Oxide	AA
R711	VRS-CY1JF123J		12k 1/16W Metal Oxide	AA
R713	VRS-CY1JF000J		0 1/16W Metal Oxide	AA
R714	VRS-CY1JF473J		47k 1/16W Metal Oxide	AA
R716	VRS-CY1JF181J		180 1/16W Metal Oxide	AA
R717	VRS-CY1JF183J		18k 1/16W Metal Oxide	AA
R718	VRS-CY1JF151J		150 1/16W Metal Oxide	AA
R719	VRS-CY1JF151J		150 1/16W Metal Oxide	AA
R720	VRS-CY1JF151J		150 1/16W Metal Oxide	AA
R721	VRS-CY1JF222J		2.2k 1/16W Metal Oxide	AA
R724	VRS-CY1JF104J		100k 1/16W Metal Oxide	AA
R725	VRS-CY1JF102J		1k 1/16W Metal Oxide	AA
R726	VRS-CY1JF000J		0 1/16W Metal Oxide	AA
R727	VRS-CY1JF272J		2.7k 1/16W Metal Oxide	AA
R728	VRS-CY1JF562J		5.6k 1/16W Metal Oxide	AA
R729	VRS-CY1JF393J		39k 1/16W Metal Oxide	AA
R730	VRS-CY1JF273J		27k 1/16W Metal Oxide	AA
R731	VRS-CY1JF273J		27k 1/16W Metal Oxide	AA
R732	VRS-CY1JF103J		10k 1/16W Metal Oxide	AA
R734	VRS-CY1JF103J		10k 1/16W Metal Oxide	AA
R735	VRS-CY1JF103J		10k 1/16W Metal Oxide	AA
R736	VRS-CY1JF103J		10k 1/16W Metal Oxide	AA
R737	VRS-CY1JF000J		0 1/16W Metal Oxide	AA
R738	VRS-CY1JF333F		33k 1/16W Metal Oxide	AA
R739	VRS-CY1JF272J		2.7k 1/16W Metal Oxide	AA
R740	VRS-CY1JF473F		47k 1/16W Metal Oxide	AA
R741	VRS-CY1JF000J		0 1/16W Metal Oxide	AA
R742	VRS-CY1JF333F		33k 1/16W Metal Oxide	AA
R743	VRS-CY1JF152J		1.5k 1/16W Metal Oxide	AA
R744	VRS-CY1JF473F		47k 1/16W Metal Oxide	AA
R745	VRS-CY1JF103J		10k 1/16W Metal Oxide	AA
R746	VRS-CY1JF104J		100k 1/16W Metal Oxide	AA
R747	VRS-CY1JF000J		0 1/16W Metal Oxide	AA
R748	VRS-CY1JF333J		33k 1/16W Metal Oxide	AA
R749	VRS-CY1JF000J		0 1/16W Metal Oxide	AA
R750	VRS-CY1JF154J		150k 1/16W Metal Oxide	AA
R751	VRS-CY1JF000J		0 1/16W Metal Oxide	AA
R752	VRS-CY1JF000J		0 1/16W Metal Oxide	AA
R753	VRS-CY1JF334J		330k 1/16W Metal Oxide	AA
R754	VRS-CY1JF105J		1M 1/16W Metal Oxide	AA
R755	VRS-CY1JF471J		470 1/16W Metal Oxide	AA
R756	VRS-CY1JF100J		10 1/16W Metal Oxide	AA
R757	VRS-CY1JF103J		10k 1/16W Metal Oxide	AA
R758	VRS-CY1JF103J		10k 1/16W Metal Oxide	AA
R759	VRS-CY1JF102J		1k 1/16W Metal Oxide	AA
R760	VRS-CY1JF102J		1k 1/16W Metal Oxide	AA
R761	VRS-CY1JF000J		0 1/16W Metal Oxide	AA
R762	VRS-CY1JF000J		0 1/16W Metal Oxide	AA
R763	VRS-CY1JF000J		0 1/16W Metal Oxide	AA
R764	VRS-CY1JF000J		0 1/16W Metal Oxide	AA
R765	VRS-CY1JF000J		0 1/16W Metal Oxide	AA
R767	VRS-CY1JF103J		10k 1/16W Metal Oxide	AA
R768	VRS-CY1JF000J		0 1/16W Metal Oxide	AA
R780	VRS-CY1JF000J		0 1/16W Metal Oxide	AA
R804	VRS-CY1JF101J		100 1/16W Metal Oxide	AA
R812	VRS-CY1JF101J		100 1/16W Metal Oxide	AA
R813	VRS-CY1JF101J		100 1/16W Metal Oxide	AA
R818	VRS-CY1JF101J		100 1/16W Metal Oxide	AA
R819	VRS-CY1JF101J		100 1/16W Metal Oxide	AA
R820	VRS-CY1JF472J		4.7k 1/16W Metal Oxide	AA
R821	VRS-CY1JF000J		0 1/16W Metal Oxide (L88W/W(A))	AA
R822	VRS-CY1JF330J		33 1/16W Metal Oxide	AA
R823	VRS-CY1JF100J		10 1/16W Metal Oxide	AA
R4001	VRS-CY1JF750J		75 1/16W Metal Oxide	AA
R4003	VRS-CY1JF121J		120 1/16W Metal Oxide	AA
R4004	VRS-CY1JF151J		150 1/16W Metal Oxide	AA
R4005	VRS-CY1JF181J		180 1/16W Metal Oxide	AA
R4006	VRS-CY1JF221J		220 1/16W Metal Oxide	AA
R4011	VRS-CY1JF102J		1k 1/16W Metal Oxide	AA
R4012	VRS-CY1JF561J		560 1/16W Metal Oxide	AA
R4013	VRS-CY1JF103J		10k 1/16W Metal Oxide	AA
R4014	VRS-CY1JF103J		10k 1/16W Metal Oxide	AA
R4015	VRS-CY1JF103J		10k 1/16W Metal Oxide	AA
R4016	VRS-CY1JF103J		10k 1/16W Metal Oxide	AA
R4017	VRS-CY1JF103J		10k 1/16W Metal Oxide	AA
R4018	VRS-CY1JF103J		10k 1/16W Metal Oxide	AA
R4019	VRS-CY1JF103J		10k 1/16W Metal Oxide	AA
R7702	VRS-CY1JF101J		100 1/16W Metal Oxide	AA
R7703	VRS-CY1JF101J		100 1/16W Metal Oxide	AA
R7704	VRS-CY1JF393J		39k 1/16W Metal Oxide	AA
R7705	VRS-CY1JF103J		10k 1/16W Metal Oxide	AA
R7707	VRS-CY1JF000J		0 1/16W Metal Oxide	AA
R7708	VRS-CY1JF822J		8.2k 1/16W Metal Oxide	AA
R7710	VRS-CY1JF273J		27k 1/16W Metal Oxide	AA
R7711	VRS-CY1JF273J		27k 1/16W Metal Oxide	AA
R7713	VRS-CY1JF000J		0 1/16W Metal Oxide	AA
R7714	VRS-CY1JF273J		27k 1/16W Metal Oxide	AA
R7715	VRS-CY1JF183J		18k 1/16W Metal Oxide	AA
R7717	VRS-CY1JF473J		47k 1/16W Metal Oxide	AA
R7718	VRS-CY1JF223J		22k 1/16W Metal Oxide	AA
R7722	VRS-CY1JF223J		22k 1/16W Metal Oxide	AA
R7723	VRS-CY1JF104J		100k 1/16W Metal Oxide	AA
R7725	VRS-TV1JD1R0J		1 1/16W Metal Oxide	AA
R7726	VRS-TV1JD1R0J		1 1/16W Metal Oxide	AA
R7727	VRS-TV1JD1R0J		1 1/16W Metal Oxide	AA
R7728	VRS-CY1JF000J		0 1/16W Metal Oxide	AA

SWITCHES

S801	QSW-M0024TAZZ	Switch, LD	AE
S802	QSW-M0024TAZZ	Switch, Tray	AE
S4001	QSW-K0087GEZZ	Switch, Skip/Forward	AC
S4002	QSW-K0087GEZZ	Switch, Skip/Back	AC
S4003	QSW-K0087GEZZ	Switch, Still	AC
S4004	QSW-K0087GEZZ	Switch, Stop	AC
S4005	QSW-K0087GEZZ	Switch, Play	AC
S5501	QSW-S0210TAZZ	Switch	AD

BALUNES

FB201	RBLN-0052TAZZ	Balun, BLN-0052TA	AC
FB301	RBLN-0077TAZZ	Balun, BLN-0077TA	AB
FB604	RBLN-0061TAZZ	Balun, BLN-0061TA	AD
FB605	RBLN-0061TAZZ	Balun, BLN-0061TA	AD
FB816	RBLN-0077TAZZ	Balun, BLN-0077TA	AB
FB817	RBLN-0077TAZZ	Balun, BLN-0077TA	AB
FB818	RBLN-0077TAZZ	Balun, BLN-0077TA	AB
FB819	RBLN-0077TAZZ	Balun, BLN-0077TA	AB
FB820	RBLN-0077TAZZ	Balun, BLN-0077TA	AB
FB821	RBLN-0061TAZZ	Balun, BLN-0061TA (L88S/S(H))	AD
FB6801	RBLN-0061TAZZ	Balun, BLN-0061TA	AD
FB6802	RBLN-0061TAZZ	Balun, BLN-0061TA	AD
FB6803	RBLN-0061TAZZ	Balun, BLN-0061TA	AD
FB6804	RBLN-0061TAZZ	Balun, BLN-0061TA	AD
R615	RBLN-0029TAZZY	Balun, BLN-0029TA	AB

MISCELLANEOUS PARTS

CN301	QCNCW5002GEZZY	Connector, 50Pin	AG
CN302	QPLGN0476TAZZ	Plug, 4Pin	AD
CN703	QPLGN0376TAZZ	Plug, 3Pin	AD
CN801	QPLGZ3044CEZZ	Plug, 30Pin	AH
CN802	QPLGZ3044CEZZ	Plug, 30Pin	AH
RMC4001	RRMCU0012TAZZ	Remote Receiver	AL

Ref. No.	Part No.	★	Description	Code

DUNTK6037KE51(DV-L88S/S(H))
DUNTK6037KE52(DV-L88W/W(A))
LCD CTL PWB UNIT

INTEGRATED CIRCUITS

IC1900	VHiLZ9GK21+-1		LZ9GK21+, LCD CTL Processor	AQ
IC1901	VHiNJM2107F-1		NJM2107F	AE
IC1999	VHiSN1GU04C-1		SN1GU04C	AD

TRANSISTOR

Q1900	VS2SC4738Y/-1		2SC4738Y	AA

DIODES

D1900	VHDMA132K//-1		MA132K	AA
D1901	VHDDA221///-1		DA221	AB
D1902	VHDHVU200A/-1		HVU200A	AC
D1903	RH-EX1393CEZZ		Zener, EX1393CE	AB
D1904	RH-EX1393CEZZ		Zener, EX1393CE	AB

COILS

L1901	VPAWM2R7J1R2N		Peaking, 2.7µH	AC
L1902	VPAWM2R7J1R2N		Peaking, 2.7µH	AC
L1903	VPAWM3R9J1R5N		Peaking, 3.9µH	AD
L1904	VPAWM1R8JR98N		Peaking, 1.8µH	AC
L1915	RCiLP0343TAZZ		Coil, CiLP0343TA	AD
L1916	RCiLP0343TAZZ		Coil, CiLP0343TA	AD

CONTROLS

R1914	RVR-M7959TAZZ		Variable Resistor	AC
R1933	RVR-M7949TAZZ		Variable Resistor	AC

CAPACITORS

C1900	VCCCCY1HH101J	100p	50V	Ceramic	AA
C1901	VCKYCY1EF104Z	0.1	25V	Ceramic	AA
C1902	VCKYCY1HB103K	0.01	50V	Ceramic	AA
C1903	VCCCCY1HH101J	100p	50V	Ceramic	AA
C1904	VCKYCY1EF104Z	0.1	25V	Ceramic	AA
C1905	VCKYCY1HB561K	560p	50V	Ceramic	AA
C1906	VCKYCY1EF104Z	0.1	25V	Ceramic	AA
C1907	VCKYCY1EF104Z	0.1	25V	Ceramic	AA
C1908	VCKYCY1EF104Z	0.1	25V	Ceramic	AA
C1909	VCKYCY1HB561K	560p	50V	Ceramic	AA
C1910	VCSATA1AJ106M	10	10V	Tantalum	AC
C1911	VCSATA1AJ106M	10	10V	Tantalum	AC
C1912	VCKYCY1EF104Z	0.1	25V	Ceramic	AA
C1913	VCCCCY1HH470J	47p	50V	Ceramic	AA
C1914	VCKYCY1EF104Z	0.1	25V	Ceramic	AA
C1915	VCKYCY1EF104Z	0.1	25V	Ceramic	AA
C1916	VCKYCY1CF224Z	0.22	16V	Ceramic	AA
C1917	VCKYCY1EF104Z	0.1	25V	Ceramic	AA
C1918	VCKYCY1EF104Z	0.1	25V	Ceramic	AA
C1919	VCKYCY1EF104Z	0.1	25V	Ceramic	AA
C1920	VCCCCY1HH330J	33p	50V	Ceramic	AA
C1921	VCCCCY1HH101J	100p	50V	Ceramic	AA
C1922	VCCCCY1HH101J	100p	50V	Ceramic	AA
C1923	VCCCCY1HH101J	100p	50V	Ceramic	AA
C1924	VCCCCY1HH101J	100p	50V	Ceramic	AA
C1925	VCCCCY1HH101J	100p	50V	Ceramic	AA
C1926	VCCCCY1HH101J	100p	50V	Ceramic	AA
C1927	VCKYCY1EF104Z	0.1	25V	Ceramic	AA
C1928	VCCCCY1HH101J	100p	50V	Ceramic	AA
C1929	VCKYCY1EF104Z	0.1	25V	Ceramic	AA
C1930	VCCCCY1HH101J	100p	50V	Ceramic	AA
C1931	VCKYCY1EF104Z	0.1	25V	Ceramic	AA
C1933	VCKYCY1EF104Z	0.1	25V	Ceramic	AA
C1934	VCKYCY0JF105Z	1	6.3V	Ceramic	AB
C1935	VCCCCY1HH220J	22p	50V	Ceramic	AA
C1936	VCCCCY1HH220J	22p	50V	Ceramic	AA
C1937	VCKYCY1HB102K	1000p	50V	Ceramic	AA
C1938	VCKYCY1HB561K	560p	50V	Ceramic	AA
C1939	VCKYCY1EF104Z	0.1	25V	Ceramic	AA
C1940	VCKYCY1EF104Z	0.1	25V	Ceramic	AA
C1941	VCKYCY1EF104Z	0.1	25V	Ceramic	AA
C1942	VCCCCY1HH6R0D	6p	50V	Ceramic	AA
C1943	VCKYCY1EF104Z	0.1	25V	Ceramic	AA
C1944	VCKYCY1EF104Z	0.1	25V	Ceramic	AA
C1945	VCCCCY1HH100D	10p	50V	Ceramic	AA
C1946	VCCCCY1HH221J	220p	50V	Ceramic	AA
C1947	VCKYCY1HB102K	1000p	50V	Ceramic	AA
C1948	VCKYCY0JF105Z	1	6.3V	Ceramic	AB
C1949	VCCCCY1HH121J	120p	50V	Ceramic	AA
C1950	VCKYCY1EF104Z	0.1	25V	Ceramic	AA
C1951	VCKYCY1EF104Z	0.1	25V	Ceramic	AA
C1952	VCKYCY0JF105Z	1	6.3V	Ceramic	AB
C1953	VCKYCY0JF105Z	1	6.3V	Ceramic	AB
C1954	VCKYCY1EF104Z	0.1	25V	Ceramic	AA
C1955	VCEAPJ1VW225M	2.2	35V	Electrolytic	AH
C1956	VCKYCY1EF104Z	0.1	25V	Ceramic	AA
C1958	VCCCCY1HH330J	33p	50V	Ceramic	AA
C1959	VCSATA1EJ105M	1	25V	Tantalum	AC
C1960	VCEAPJ1CW106MY	10	16V	Electrolytic	AC
C1961	VCEAPJ1CW106MY	10	16V	Electrolytic	AC
C1962	VCEAPJ1CW106MY	10	16V	Electrolytic	AC
C1966	VCKYCY1HF103Z	0.01	50V	Ceramic	AA

RESISTORS

R1900	VRS-CY1JF561J	560	1/16W	Metal Oxide	AA
R1901	VRS-CY1JF561J	560	1/16W	Metal Oxide	AA
R1903	VRS-CY1JF561J	560	1/16W	Metal Oxide	AA
R1906	VRS-CY1JF561J	560	1/16W	Metal Oxide	AA
R1908	VRS-CY1JF561J	560	1/16W	Metal Oxide	AA
R1909	VRS-CY1JF561J	560	1/16W	Metal Oxide	AA
R1910	VRS-CY1JF561J	560	1/16W	Metal Oxide	AA
R1911	VRS-CY1JF561J	560	1/16W	Metal Oxide	AA
R1912	VRS-CY1JF561J	560	1/16W	Metal Oxide	AA
R1913	VRS-CY1JF561J	560	1/16W	Metal Oxide	AA
R1915	VRS-CY1JF224J	220k	1/16W	Metal Oxide	AA
R1917	VRS-CY1JF000J	0	1/16W	Metal Oxide	AA
R1918	VRS-CY1JF105J	1M	1/16W	Metal Oxide	AA
R1919	VRS-CY1JF000J	0	1/16W	Metal Oxide	AA
R1921	VRS-CY1JF391J	390	1/16W	Metal Oxide	AA
R1922	VRS-CY1JF562F	5.6k	1/16W	Metal Oxide	AA
R1923	VRS-CY1JF473J	47k	1/16W	Metal Oxide	AA
R1924	VRS-CY1JF392J	3.9k	1/16W	Metal Oxide	AA
R1925	VRS-CY1JF683J	68k	1/16W	Metal Oxide	AA
R1926	VRS-CY1JF273J	27k	1/16W	Metal Oxide	AA
R1927	VRS-CY1JF683J	68k	1/16W	Metal Oxide	AA
R1928	VRS-CY1JF105J	1M	1/16W	Metal Oxide	AA
R1929	VRS-CY1JF564J	560k	1/16W	Metal Oxide	AA
R1930	VRS-CY1JF564J	560k	1/16W	Metal Oxide	AA
R1931	VRS-CY1JF000J	0	1/16W	Metal Oxide	AA
R1932	VRS-CY1JF103J	10k	1/16W	Metal Oxide	AA
R1934	VRS-CY1JF102J	1k	1/16W	Metal Oxide	AA
R1935	VRS-CY1JF682J	6.8k	1/16W	Metal Oxide	AA
R1936	VRS-CY1JF272J	2.7k	1/16W	Metal Oxide	AA
R1937	VRS-CY1JF332J	3.3k	1/16W	Metal Oxide	AA
R1938	VRS-CY1JF101J	100	1/16W	Metal Oxide	AA
R1939	VRS-CY1JF331J	330	1/16W	Metal Oxide	AA
R1941	VRS-CY1JF103J	10k	1/16W	Metal Oxide	AA
R1943	VRS-CY1JF273J	27k	1/16W	Metal Oxide	AA
R1944	VRS-CY1JF333J	33k	1/16W	Metal Oxide	AA
R1945	VRS-CY1JF000J	0	1/16W	Metal Oxide	AA
R1946	VRS-CY1JF000J	0	1/16W	Metal Oxide	AA
R1947	VRS-CY1JF000J	0	1/16W	Metal Oxide	AA
R1955	VRS-CY1JF222J	2.2k	1/16W	Metal Oxide	AA
R1956	VRS-CY1JF103J	10k	1/16W	Metal Oxide	AA
R1957	VRS-CY1JF000J	0	1/16W	Metal Oxide	AA
R1961	VRS-CY1JF000J	0	1/16W	Metal Oxide	AA
R1962	VRS-CY1JF561J	560	1/16W	Metal Oxide	AA

MISCELLANEOUS PARTS

CN1900	QSOCN3271TAZZ	Socket, 32Pin	AE
CN1901	QSOCN0672TAZZ	Socket, 6Pin	AC
CN1902	QPLGN1276TAZZ	Plug, 12Pin	AF
CN1903	QPLGN0976TAZZY	Plug, 9Pin	AE
CN1904	QPLGN1076TAZZY	Plug, 10Pin	AE
P1804	QPLGN0263TAZZ	Plug, 2Pin	AB

Ref. No.	Part No.	★	Description	Code
DUNTK6037KE51(DV-L88S/S(H)) DUNTK6037KE52(DV-L88W/W(A)) LCD CTL PWB UNIT(Continued)				
P1805	QPLGN0263TAZZ		Plug, 2Pin	AB
TP1900	QPLGN0674TAZZY		Plug, 6Pin	AD
DUNTK6038KE51(DV-L88S/S(H)) DUNTK6038KE52(DV-L88W/W(A)) POWER PWB UNIT				
INTEGRATED CIRCUITS				
⚠ CP9001	VHiCCP2E40/-1		CCP2E40, 1.6A	AD
⚠ CP9002	VHiCCP2E50/-1		CCP2E50, 2A	AD
IC901	VHiMB3832AA-1		MB3832AA, Li-ion Battery Chargers	AS
IC1800	VHiSNT1G08C-1		SNT1G08C	AD
IC1801	VHiTHC221AF-1		THC221AF	AG
IC1802	VHiBA7046F/-1		BA7046F	AF
IC1804	VHiiR3Y29AM-1		IR3Y29AM, LCD Decoder	AV
IC1806	VHiNJM4560M-1		NJM4560M, Current Detector Common Amp	AG
IC2201	VHiTK15430V-1		TK15430V, 75Ohm Driver	AN
IC2202	VHiBU4053V/-1		BU4053V	AE
IC3201	VHiMB8346BV-1		MB8346BV	AN
IC5501	VHiBR93L46F-1		BR93L46F, E^{2}PROM	AG
IC5502	RH-iX1751GEZZQ		IX1751GE, TV Micon	AX
IC5503	VHiMM1437BF-1		MM1437BF	AF
IC5505	VHiLPV324MT-1Y		LPV324MT	AG
IC6604	VHiBU4053V/-1		BU4053V	AE
IC6605	VHiBU4053V/-1		BU4053V	AE
IC6606	VHiNJM4560M-1		NJM4560M	AG
IC6607	VHiNJM4560M-1		NJM4560M	AG
IC6610	VHiTPA0152+-1		TPA0152+, Power Amp	AQ
IC9001	VHiMB3785V/-1		MB3785V, Switching Control	AQ
TRANSISTORS				
Q901	VSFW111////-1		FW111	AK
Q904	VSFW111////-1		FW111	AK
Q905	VSRN1904///-1		RN1904	AC
Q906	VSFW111////-1		FW111	AK
Q907	VSDTC144EE/-1		DTC144EE	AA
Q908	VSFTS1002++-1		FTS1002++	AF
Q909	VSCPH3303//-1		CPH3303	AD
Q910	VSRN1904///-1		RN1904	AC
Q911	VS3LN01S///-1		3LN01S	AC
Q912	VS3LN01S///-1		3LN01S	AC
Q913	VS3LN01S///-1		3LN01S	AC
Q1800	VS2SA1774F/-1		2SA1774F	AA
Q1801	VSDTA114YE/-1		DTA114YE	AB
Q1802	VS2SC4738Y/-1		2SC4738Y	AA
Q1804	VSDTC144EE/-1		DTC144EE	AA
Q1805	VS2SC2411KR-1		2SC2411KR	AC
Q1806	VS2SA1036KR-1		2SA1036KR	AC
Q1807	VS2SA1774F/-1		2SA1774F	AA
Q2201	VSFMMT717//-1		FMMT717	AE
Q2202	VSDTC144EE/-1		DTC144EE	AA
Q2203	VSRN4904///-1		RN4904	AB
Q2204	VSDTA114EE/-1		DTA114EE	AB
Q2205	VSDTA114EE/-1		DTA114EE	AB
Q2206	VS2SD1306-E1E		2SD1306-E	AD
Q2207	VSRN4904///-1		RN4904	AB
Q2208	VS2SD1306-E1E		2SD1306-E	AD
Q2209	VS2SD1306-E1E		2SD1306-E	AD
Q2210	VS2SA1774F/-1		2SA1774F	AA
Q5503	VSCPH3303//-1		CPH3303	AD
Q5504	VS3LN01S///-1		3LN01S	AC
Q5505	VSDTC144EE/-1		DTC144EE	AA
Q5506	VSCPH3303//-1		CPH3303	AD
Q5507	VSCPH3303//-1		CPH3303	AD
Q6001	VSDTA114EE/-1		DTA114EE	AB
Q6601	VSRN2902///-1Y		RN2902	AB
Q6603	VS2SC4213B/-1		2SC4213B	AC
Q6604	VS2SC4213B/-1		2SC4213B	AC
Q6605	VS2SC4213B/-1		2SC4213B	AC
Q6606	VS2SC4213B/-1		2SC4213B	AC
Q6607	VS2SC4213B/-1		2SC4213B	AC
Q6608	VS2SC4213B/-1		2SC4213B	AC
Q6609	VSDTA144EE/-1		DTA144EE	AA
Q6610	VSDTC144TE/-1		DTC144TE	AB
Q9001	VSCPH3109//-1		CPH3109	AD
Q9002	VSCPH3109//-1		CPH3109	AD
Q9003	VS2SA2010//-1		2SA2010	AD
Q9004	VS2SA2010//-1		2SA2010	AD
Q9903	VSHN1A02F++-1Y		HN1A02F++	AC
Q9907	VSFMMT717//-1		FMMT717	AE
Q9913	VS2SA1774F/-1		2SA1774F	AA
Q9914	VSDTC124EE/-1		DTC124EE	AA
DIODES AND LED				
D901	VHDSC0162//-1		SC0162	AC
D902	VHDDAN222//-1		DAN222	AA
D903	VHDDAN222//-1		DAN222	AA
D904	RH-EX1400CEZZ		Zener, EX1400CE	AB
D905	VHDDAN222//-1		DAN222	AA
D906	VHDF1J3E+++-1		F1J3E+++	AE
D909	VHDDAN222//-1		DAN222	AA
D910	VHDMA132K//-1		MA132K	AA
D1800	VHDDAN222//-1		DAN222	AA
D1801	VHDHVU17TRF-1		HVU17TRF	AE
D1803	VHDDAP222//-1		DAP222	AA
D2201	VHDDA221///-1		DA221	AB
D2202	VHDDA221///-1		DA221	AB
D2203	VHDDA221///-1		DA221	AB
D2204	VHDDAP222//-1		DAP222	AA
D2205	VHDMA132K//-1		MA132K	AA
D3602	VHDDA227///-1		DA227	AB
D5503	VHDHVU17TRF-1		HVU17TRF	AE
D5504	VHDDAN222//-1		DAN222	AA
D5505	VHDDAN222//-1		DAN222	AA
D5509	VHDiMN10///-1		IMN10	AB
D5510	RH-DX0061GEZZ		DX0061GE	AC
D5512	VHDDAN222//-1		DAN222	AA
D5513	VHDDA227///-1		DA227	AB
D5514	VHDDA221///-1		DA221	AB
D6001	VHDMA132K//-1		MA132K	AA
D6601	VHDDAP222//-1		DAP222	AA
D6602	VHDDA227///-1		DA227	AB
D6603	VHDDAN222//-1		DAN222	AA
D6604	VHDDAN222//-1		DAN222	AA
D9001	VHDFS1J3///-1		FS1J3	AD
D9002	VHDFS1J3///-1		FS1J3	AD
D9003	VHDFS1J3///-1		FS1J3	AD
D9004	VHDMA4S159/-1		MA4S159	AC
D9005	VHDMA4S159/-1		MA4S159	AC
D9006	RH-EX1000GEZZ		Zener, EX1000GE	AD
D9007	RH-EX1004GEZZ		Zener, EX1004GE	AD
D9008	RH-EX0999GEZZ		Zener, EX0999GE	AD
TH5501	RH-HZ0025CEZZ		Thermistor	AC
J6001	VHPGP1F562T-1		PhotoDiode	AQ
PACKAGED CIRCUITS				
X1800	RCRSC0096TAZZ		Crystal, CRSC0096TA	AL
X5502	RCRSC0032TAZZ		Crystal, CRSC0032TA	AG
FILTER				
X5501	RFiLC0208GEZZ		Filter, FiLC0208GE	AD
COILS AND TRANSFORMER				
L901	RCiLP0209GEZZY		Coil, CiLP0209GE	AF
L902	RCiLP0164GEZZY		Coil, CiLP0164GE	AD
L905	RCiLF0323GEZZY		Coil, CiLF0323GE	AF
L1801	VPAWM330J4R4N		Peaking, 33µH	AC
L1802	VP-NM220K1R0N		Peaking, 22µH	AB
L1806	VPAWM470J6R4N		Peaking, 47µH	AC
L1807	VPAWM2R7J1R2N		Peaking, 2.7µH	AC

Ref. No.	Part No.	★	Description	Code
	DUNTK6038KE51(DV-L88S/S(H)) DUNTK6038KE52(DV-L88W/W(A)) POWER PWB UNIT(Continued)			
L1808	VPAWM2R7J1R2N		Peaking, 2.7µH	AC
L1809	VPAWM100J2R6N		Peaking, 10µH	AC
L2201	VP-NM220K1R0N		Peaking, 22µH	AB
L3204	VPAWM470J6R4N		Peaking, 47µH	AC
L5501	VP-NM470K2R0N		Peaking, 47µH	AB
L6001	RCiLF0415TAZZY		Coil, CiLF0415TA (L88W/W(A))	AE
L6002	RCiLF0415TAZZY		Coil, CiLF0415TA	AE
L6003	RCiLF0414TAZZY		Coil, CiLF0414TA	AE
L6004	RCiLF0414TAZZY		Coil, CiLF0414TA	AE
L6005	RCiLF0413TAZZY		Coil, CiLF0414TA (L88W/W(A))	AE
L6006	VP-NM2R2MR16N		Peaking, 2.2µH	AB
L6007	VP-NM2R2MR16N		Peaking, 2.2µH	AB
L9004	RCiLP0203GEZZY		Coil, CiLP0203GE	AD
L9006	RCiLP0191GEZZY		Coil, CiLP0191GE	AD
L9007	RCiLP0203GEZZY		Coil, CiLP0203GE	AD
L9009	VP-NM470K2R0N		Peaking, 47µH	AB
L9010	VP-NM470K2R0N		Peaking, 47µH	AB
L9011	VP-NM470K2R0N		Peaking, 47µH	AB
L9012	VP-NM470K2R0N		Peaking, 47µH	AB
L9021	VP-NM220K1R0N		Peaking, 22µH	AB
L9022	VP-NM2R2MR16N		Peaking, 2.2µH	AB
L9023	VP-NM220K1R0N		Peaking, 22µH	AB
L9024	VP-NM470K2R0N		Peaking, 47µH	AB
L9025	VP-NM100KR42N		Peaking, 10µH	AB
⚠ T9001	RTRNZ0149GEZZY		Transformer	AH

CAPACITORS

C901	VCEAPF1CW107M	100	16V	Electrolytic	AD
C902	VCKYTV1EB104K	0.1	25V	Ceramic	AB
C903	VCEAPF1CW107M	100	16V	Electrolytic	AD
C904	VCKYCY1CB104K	0.1	16V	Ceramic	AB
C905	VCKYCY1CB104K	0.1	16V	Ceramic	AB
C906	RC-KZ0075TAZZ	2.2	16V	Ceramic	AC
C907	VCCCCY1HH391J	390p	50V	Ceramic	AA
C908	VCKYTV1CB224K	0.22	16V	Ceramic	AB
C909	VCKYTV1CB224K	0.22	16V	Ceramic	AB
C910	VCKYCY1CB104K	0.1	16V	Ceramic	AB
C911	VCKYCY1CB333K	0.033	16V	Ceramic	AA
C912	VCEAPF1CW107M	100	16V	Electrolytic	AD
C913	VCKYCY1HB102K	1000p	50V	Ceramic	AA
C914	VCEAPF1CW226M	22	16V	Electrolytic	AB
C917	RC-KZ0069TAZZ	10	16V	Ceramic	AE
C918	VCEAPF0JW107M	100	6.3V	Electrolytic	AC
C919	RC-KZ0085TAZZ	10	35V	Ceramic	AF
C921	VCKYCY1HF473Z	0.047	50V	Ceramic	AA
C922	VCKYTV1EB104K	0.1	25V	Ceramic	AB
C923	VCEAPF1CW107M	100	16V	Electrolytic	AD
C924	VCKYCY1HB103K	0.01	50V	Ceramic	AA
C925	VCKYCY1CB104K	0.1	16V	Ceramic	AB
C926	VCKYCY1CB104K	0.1	16V	Ceramic	AB
C1800	VCKYCY0JF105Z	1	6.3V	Ceramic	AB
C1801	VCKYCY1HB222K	2200p	50V	Ceramic	AA
C1802	VCCCCY1HH101J	100p	50V	Ceramic	AA
C1803	VCCCCY1HH221J	220p	50V	Ceramic	AA
C1804	VCKYCY0JF105Z	1	6.3V	Ceramic	AB
C1805	VCCCCY1HH121J	120p	50V	Ceramic	AA
C1806	VCCCCY1HH121J	120p	50V	Ceramic	AA
C1807	VCKYCY0JF105Z	1	6.3V	Ceramic	AB
C1808	VCCCCY1HH331J	330p	50V	Ceramic	AA
C1809	VCCCCY1HH391J	390p	50V	Ceramic	AA
C1810	VCEAPF1AW226M	22	10V	Electrolytic	AB
C1811	VCKYCY0JF105Z	1	6.3V	Ceramic	AB
C1812	VCKYCY1HB103K	0.01	50V	Ceramic	AA
C1813	VCKYCY1HB103K	0.01	50V	Ceramic	AA
C1814	VCCCCY1EH821J	820p	25V	Ceramic	AB
C1815	VCKYCY0JF105Z	1	6.3V	Ceramic	AB
C1816	VCKYCY1AF105Z	1	10V	Ceramic	AC
C1817	VCKYCY1HB103K	0.01	50V	Ceramic	AA
C1818	VCKYCY1HB103K	0.01	50V	Ceramic	AA
C1819	VCKYCY0JF105Z	1	6.3V	Ceramic	AB
C1820	VCKYCY1EF104Z	0.1	25V	Ceramic	AA
C1821	VCKYCY0JF105Z	1	6.3V	Ceramic	AB
C1822	VCKYCY1EF104Z	0.1	25V	Ceramic	AA
C1823	VCKYCY1EF104Z	0.1	25V	Ceramic	AA
C1824	VCKYCY1HB103K	0.01	50V	Ceramic	AA
C1825	VCCCCY1HH5R0C	5p	50V	Ceramic	AA
C1826	VCKYCY1CB104K	0.1	16V	Ceramic	AB
C1827	VCKYCY0JF105Z	1	6.3V	Ceramic	AB
C1828	VCKYCY1CF474Z	0.47	16V	Ceramic	AB
C1829	VCEAPF1HW225M	2.2	50V	Electrolytic	AB
C1830	VCKYCY1EF104Z	0.1	25V	Ceramic	AA
C1831	VCKYCY1HB103K	0.01	50V	Ceramic	AA
C1832	VCKYCY1HB103K	0.01	50V	Ceramic	AA
C1834	VCKYCY1HB103K	0.01	50V	Ceramic	AA
C1835	VCKYCY1HB103K	0.01	50V	Ceramic	AA
C1836	VCCCCY1HH390J	39p	50V	Ceramic	AA
C1837	VCKYCY1HB103K	0.01	50V	Ceramic	AA
C1838	VCEAPF1CW106M	10	16V	Electrolytic	AB
C1839	VCKYCY1HB103K	0.01	50V	Ceramic	AA
C1840	VCCCCY1HH270J	27p	50V	Ceramic	AA
C1841	VCKYCY1HB103K	0.01	50V	Ceramic	AA
C1843	VCCCCY1HH681J	680p	50V	Ceramic	AB
C1844	VCCCCY1HH270J	27p	50V	Ceramic	AA
C1845	VCKYCY1EF104Z	0.1	25V	Ceramic	AA
C1846	VCKYCY1CB104K	0.1	16V	Ceramic	AB
C1848	VCKYCY1HF473Z	0.047	50V	Ceramic	AA
C1849	VCKYCY1HB103K	0.01	50V	Ceramic	AA
C1851	VCSATE1AJ476M	47	10V	Tantalum	AD
C1854	VCSATE1AJ476M	47	10V	Tantalum	AD
C1856	VCKYCY1EF104Z	0.1	25V	Ceramic	AA
C1857	VCKYCY1CF474Z	0.47	16V	Ceramic	AB
C1858	VCKYCY1EF104Z	0.1	25V	Ceramic	AA
C1859	VCKYCY1EF104Z	0.1	25V	Ceramic	AA
C1865	VCKYCY1EF104Z	0.1	25V	Ceramic	AA
C1866	VCKYCY1EF104Z	0.1	25V	Ceramic	AA
C1867	VCKYCY1EF104Z	0.1	25V	Ceramic	AA
C1868	VCCCCY1HH331J	330p	50V	Ceramic	AA
C1869	VCEAPF1AW226M	22	10V	Electrolytic	AB
C1870	VCEASH1EN686MY	68	25V	Electrolytic	AD
C1871	VCEAPF1CW107M	100	16V	Electrolytic	AD
C1872	VCEAPF1CW107M	100	16V	Electrolytic	AD
C1873	VCKYCY1HB103K	0.01	50V	Ceramic	AA
C1874	VCKYCY1HB103K	0.01	50V	Ceramic	AA
C1875	VCKYCY1HB103K	0.01	50V	Ceramic	AA
C1876	VCKYCY1HB103K	0.01	50V	Ceramic	AA
C1877	VCKYCY1CB104K	0.1	16V	Ceramic	AB
C1878	VCKYCY1CB104K	0.1	16V	Ceramic	AB
C2201	VCKYCY1CB104K	0.1	16V	Ceramic	AB
C2202	VCEAPF0JW476M	47	6.3V	Electrolytic	AB
C2204	VCKYCY0JB105K	1	6.3V	Ceramic	AC
C2205	VCKYCY1CB104K	0.1	16V	Ceramic	AB
C2206	VCEAPF0JW476M	47	6.3V	Electrolytic	AB
C2207	VCKYCY1CB104K	0.1	16V	Ceramic	AB
C2209	VCKYCY1CB104K	0.1	16V	Ceramic	AB
C2210	VCEAPX0GW337M	330	4V	Electrolytic	AD
C2211	VCEAPF0JW226M	22	6.3V	Electrolytic	AB
C2212	VCEAPF0JW226M	22	6.3V	Electrolytic	AB
C2213	VCEAPX0GW337M	330	4V	Electrolytic	AD
C2214	RC-KZ0082TAZZ	1	10V	Ceramic	AC
C2215	RC-EZ0475GEZZ	220	6.3V	Electrolytic	AD
C2216	VCKYCY1CB104K	0.1	16V	Ceramic	AB
C2217	RC-KZ0082TAZZ	1	10V	Ceramic	AC
C2218	VCEAPX0JW227M	220	6.3V	Electrolytic	AD
C2219	RC-KZ0082TAZZ	1	10V	Ceramic	AC
C2220	VCKYCY1CB104K	0.1	16V	Ceramic	AB
C3029	VCKYCY0JF105Z	1	6.3V	Ceramic	AB
C3030	VCEAPF0JW226M	22	6.3V	Electrolytic	AB
C3042	VCKYCY1EF104Z	0.1	25V	Ceramic	AA
C5101	VCKYCY1EB223K	0.022	25V	Ceramic	AA
C5501	VCKYCY1CB104K	0.1	16V	Ceramic	AB
C5502	VCCCCY1HH101J	100p	50V	Ceramic	AA
C5504	VCCCCY1HH101J	100p	50V	Ceramic	AA
C5505	VCCCCY1HH101J	100p	50V	Ceramic	AA
C5506	VCCCCY1HH101J	100p	50V	Ceramic	AA

DUNTK6038KE51(DV-L88S/S(H))
DUNTK6038KE52(DV-L88W/W(A))
POWER PWB UNIT(Continued)

Ref. No.	Part No.	★	Description			Code
C5507	VCCCCY1HH101J		100p	50V	Ceramic	AA
C5510	VCCCCY1HH6R0D		6p	50V	Ceramic	AA
C5511	VCCCCY1HH101J		100p	50V	Ceramic	AA
C5512	VCKYCY1HB272K		2700p	50V	Ceramic	AA
C5513	VCEAPF0JW107M		100	6.3V	Electrolytic	AC
C5514	VCCCCY1HH101J		100p	50V	Ceramic	AA
C5515	VCCCCY1HH101J		100p	50V	Ceramic	AA
C5516	VCCCCY1HH470J		47p	50V	Ceramic	AA
C5517	VCCCCY1HH101J		100p	50V	Ceramic	AA
C5518	VCCCCY1HH101J		100p	50V	Ceramic	AA
C5519	VCCCCY1HH101J		100p	50V	Ceramic	AA
C5520	VCKYCY1CB104K		0.1	16V	Ceramic	AB
C5521	VCCCCY1HH101J		100p	50V	Ceramic	AA
C5522	VCCCCY1HH101J		100p	50V	Ceramic	AA
C5523	VCCCCY1HH101J		100p	50V	Ceramic	AA
C5524	VCCCCY1HH101J		100p	50V	Ceramic	AA
C5525	VCCCCY1HH101J		100p	50V	Ceramic	AA
C5526	VCCCCY1HH471J		470p	50V	Ceramic	AA
C5527	VCCCCY1HH471J		470p	50V	Ceramic	AA
C5528	VCCCCY1HH471J		470p	50V	Ceramic	AA
C5529	VCCCCY1HH471J		470p	50V	Ceramic	AA
C5530	VCCCCY1HH471J		470p	50V	Ceramic	AA
C5531	VCCCCY1HH471J		470p	50V	Ceramic	AA
C5532	VCCCCY1HH101J		100p	50V	Ceramic	AA
C5533	VCCCCY1HH101J		100p	50V	Ceramic	AA
C5534	VCCCCY1HH101J		100p	50V	Ceramic	AA
C5535	VCCCCY1HH101J		100p	50V	Ceramic	AA
C5536	VCCCCY1HH101J		100p	50V	Ceramic	AA
C5537	VCCCCY1HH101J		100p	50V	Ceramic	AA
C5538	VCKYCY1EB223K		0.022	25V	Ceramic	AA
C5539	VCCCCY1HH120J		12p	50V	Ceramic	AA
C5540	VCCCCY1HH120J		12p	50V	Ceramic	AA
C5541	VCKYCY1HB102K		1000p	50V	Ceramic	AA
C5542	VCKYCY1CB104K		0.1	16V	Ceramic	AB
C5543	VCKYCY1CB104K		0.1	16V	Ceramic	AB
C5544	VCKYCY1HB103K		0.01	50V	Ceramic	AA
C5545	VCKYCY1HB103K		0.01	50V	Ceramic	AA
C5546	VCKYCY1CB104K		0.1	16V	Ceramic	AB
C5547	VCKYCY1CB104K		0.1	16V	Ceramic	AB
C5548	VCKYCY1AF105Z		1	10V	Ceramic	AC
C5549	VCKYCY1HB272K		2700p	50V	Ceramic	AA
C5550	VCCCCY1HH471J		470p	50V	Ceramic	AA
C6001	VCSATA0JJ226M		22	6.3V	Tantalum	AD
C6002	VCKYCY1HB103K		0.01	50V	Ceramic	AA
C6003	VCKYCY1HB102K		1000p	50V	Ceramic	AA
C6004	VCKYCY1HB102K		1000p	50V	Ceramic	AA
C6603	VCKYCY1HB472K		4700p	50V	Ceramic	AA
C6604	VCCCCY1HH221J		220p	50V	Ceramic	AA
C6610	VCEAPF1CW106M		10	16V	Electrolytic	AB
C6611	VCEAPF1CW106M		10	16V	Electrolytic	AB
C6613	VCCCCY1HH221J		220p	50V	Ceramic	AA
C6614	VCEAPF1CW106M		10	16V	Electrolytic	AB
C6615	VCCCCY1HH221J		220p	50V	Ceramic	AA
C6616	VCKYCY0JF105Z		1	6.3V	Ceramic	AB
C6617	VCKYCY0JF105Z		1	6.3V	Ceramic	AB
C6618	VCKYCY1HB272K		2700p	50V	Ceramic	AA
			(L88W/W(A))			
C6619	VCCCCY1HH221J		220p	50V	Ceramic	AA
C6620	VCEAPF1CW106M		10	16V	Electrolytic	AB
C6621	VCEAPF1CW106M		10	16V	Electrolytic	AB
C6622	VCEAPF1CW106M		10	16V	Electrolytic	AB
C6623	VCEAPF1CW106M		10	16V	Electrolytic	AB
C6624	VCKYCY1HB272K		2700p	50V	Ceramic	AA
			(L88W/W(A))			
C6625	VCKYCY1HB103K		0.01	50V	Ceramic	AA
C6626	VCEAPF1CW106M		10	16V	Electrolytic	AB
C6627	VCKYCY0JF105Z		1	6.3V	Ceramic	AB
C6628	VCKYCY1CB683K		0.068	16V	Ceramic	AC
C6629	VCKYCY1CB683K		0.068	16V	Ceramic	AC
C6630	VCKYCY1CB393K		0.039	16V	Ceramic	AA
C6631	VCKYCY1CB393K		0.039	16V	Ceramic	AA
C6632	VCKYCY0JF105Z		1	6.3V	Ceramic	AB
C6633	VCKYCY0JF105Z		1	6.3V	Ceramic	AB
C6634	VCKYCY1CF474Z		0.47	16V	Ceramic	AB
C6635	VCKYCY1CF474Z		0.47	16V	Ceramic	AB
C6636	VCKYCY1CF474Z		0.47	16V	Ceramic	AB
C6637	VCKYCY1HB332K		3300p	50V	Ceramic	AA
C6638	VCKYCY1HB103K		0.01	50V	Ceramic	AA
C6639	VCEAPF1CW106M		10	16V	Electrolytic	AB
C6640	VCKYCY1CB104K		0.1	16V	Ceramic	AB
C6642	VCKYCY1CB104K		0.1	16V	Ceramic	AB
C6643	VCKYCY0JF105Z		1	6.3V	Ceramic	AB
C6644	VCKYCY1CB104K		0.1	16V	Ceramic	AB
C6645	VCEAPF1AW476M		47	10V	Electrolytic	AB
C6646	VCEAPF1AW476M		47	10V	Electrolytic	AB
C9001	VCCCCY1HH181J		180p	50V	Ceramic	AA
C9002	VCKYTV1CB105K		1	16V	Ceramic	AC
C9003	VCKYCY1CB104K		0.1	16V	Ceramic	AB
C9004	VCKYCY1CB683K		0.068	16V	Ceramic	AC
C9005	VCCCCY1HH471J		470p	50V	Ceramic	AA
C9006	VCKYCY1HB472K		4700p	50V	Ceramic	AA
C9007	VCCCCY1HH471J		470p	50V	Ceramic	AA
C9008	VCKYCY1HB102K		1000p	50V	Ceramic	AA
C9009	VCKYCY1CB104K		0.1	16V	Ceramic	AB
C9010	VCKYCY1CB104K		0.1	16V	Ceramic	AB
C9011	VCCCCY1HH471J		470p	50V	Ceramic	AA
C9012	VCCCCY1HH471J		470p	50V	Ceramic	AA
C9013	VCKYCY1HB102K		1000p	50V	Ceramic	AA
C9014	VCKYCY1HB472K		4700p	50V	Ceramic	AA
C9015	VCKYCY1HB102K		1000p	50V	Ceramic	AA
C9016	VCKYCY1HB102K		1000p	50V	Ceramic	AA
C9017	VCKYCY1CB104K		0.1	16V	Ceramic	AB
C9018	VCKYCY1CB104K		0.1	16V	Ceramic	AB
C9019	VCKYCY1HB102K		1000p	50V	Ceramic	AA
C9020	VCKYCY1HB102K		1000p	50V	Ceramic	AA
C9021	VCKYCY1HB102K		1000p	50V	Ceramic	AA
C9022	VCKYTV1CB105K		1	16V	Ceramic	AC
C9023	VCKYCY1HB102K		1000p	50V	Ceramic	AA
C9024	VCKYCY1HB102K		1000p	50V	Ceramic	AA
C9025	VCKYCY1HB102K		1000p	50V	Ceramic	AA
C9027	RC-KZ0075TAZZ		2.2	16V	Ceramic	AC
C9028	RC-KZ0075TAZZ		2.2	16V	Ceramic	AC
C9029	RC-KZ0069TAZZ		10	16V	Ceramic	AE
C9030	RC-KZ0075TAZZ		2.2	16V	Ceramic	AC
C9031	RC-KZ0069TAZZ		10	16V	Ceramic	AE
C9032	RC-KZ0069TAZZ		10	16V	Ceramic	AE
C9033	RC-KZ0069TAZZ		10	16V	Ceramic	AE
C9037	RC-KZ0046TAZZ		4.7	35V	Ceramic	AD
C9038	RC-KZ0046TAZZ		4.7	35V	Ceramic	AD
C9039	RC-KZ0046TAZZ		4.7	35V	Ceramic	AD
C9040	RC-KZ0046TAZZ		4.7	35V	Ceramic	AD
C9043	RC-KZ0046TAZZ		4.7	35V	Ceramic	AD
C9044	RC-KZ0046TAZZ		4.7	35V	Ceramic	AD
C9045	RC-KZ0046TAZZ		4.7	35V	Ceramic	AD
C9046	RC-KZ0046TAZZ		4.7	35V	Ceramic	AD
C9047	VCSATD1AJ157M		150	10V	Tantalum	AG
C9048	VCSATD1AJ157M		150	10V	Tantalum	AG
C9049	VCSATD0JJ227M		220	6.3V	Tantalum	AH
C9050	VCSATD0JJ227M		220	6.3V	Tantalum	AH
C9051	RC-EZ0475GEZZ		220	6.3V	Electrolytic	AD

RESISTORS

FB5501	VRS-TV1JD000J	0	1/16W	Metal Oxide	AA
		(L88W/W(A))			
FB9029	VRS-CY1JF000J	0	1/16W	Metal Oxide	AA
FB9045	VRS-CY1JF000J	0	1/16W	Metal Oxide	AA
R901	VRS-CY1JF105J	1M	1/16W	Metal Oxide	AA
R902	VRS-CY1JF105J	1M	1/16W	Metal Oxide	AA
R903	VRS-CY1JF123J	12k	1/16W	Metal Oxide	AA
R904	VRS-CY1JF123J	12k	1/16W	Metal Oxide	AA
R906	VRS-CY1JF154J	150k	1/16W	Metal Oxide	AA
R907	VRS-CY1JF105J	1M	1/16W	Metal Oxide	AA
R909	VRS-CY1JF105J	1M	1/16W	Metal Oxide	AA
R910	VRS-CY1JF105J	1M	1/16W	Metal Oxide	AA
R911	VRS-CY1JF105J	1M	1/16W	Metal Oxide	AA
R912	VRN-TV2EFR10F	0.1	1/4W	Metal Film	AC

DUNTK6038KE51(DV-L88S/S(H))
DUNTK6038KE52(DV-L88W/W(A))
POWER PWB UNIT(Continued)

Ref. No.	Part No.	★	Description	Code
R914	VRS-CY1JF112J		1.1k 1/16W Metal Oxide	AA
R915	VRS-CY1JF100J		10 1/16W Metal Oxide	AA
R916	VRS-CY1JF103F		10k 1/16W Metal Oxide	AA
R917	VRS-CY1JF123J		12k 1/16W Metal Oxide	AA
R918	VRS-CY1JF102J		1k 1/16W Metal Oxide	AA
R919	VRS-CY1JF103J		10k 1/16W Metal Oxide	AA
R920	VRS-CY1JF474J		470k 1/16W Metal Oxide	AA
R921	VRS-CY1JF103J		10k 1/16W Metal Oxide	AA
R922	VRS-CY1JF512J		5.1k 1/16W Metal Oxide	AA
R923	VRS-CY1JF153F		15k 1/16W Metal Oxide	AA
R924	VRS-CY1JF682F		6.8k 1/16W Metal Oxide	AA
R925	VRS-CY1JF333J		33k 1/16W Metal Oxide	AA
R926	VRS-CY1JF392J		3.9k 1/16W Metal Oxide	AA
R927	VRS-CY1JF123F		12k 1/16W Metal Oxide	AA
R928	VRS-CY1JF102F		1k 1/16W Metal Oxide	AA
R929	VRS-CY1JF564J		560k 1/16W Metal Oxide	AA
R930	VRS-CY1JF564J		560k 1/16W Metal Oxide	AA
R931	VRS-CY1JF104J		100k 1/16W Metal Oxide	AA
R932	VRS-CY1JF223J		22k 1/16W Metal Oxide	AA
R933	VRS-CY1JF103J		10k 1/16W Metal Oxide	AA
R940	VRN-TV2EFR10F		0.1 1/4W Metal Film	AC
R941	VRS-CY1JF393F		39k 1/16W Metal Oxide	AA
R951	VRS-CY1JF103J		10k 1/16W Metal Oxide	AA
R1800	VRS-CY1JF103J		10k 1/16W Metal Oxide	AA
R1801	VRS-CY1JF474F		470k 1/16W Metal Oxide	AA
R1802	VRS-CY1JF134F		130k 1/16W Metal Oxide	AA
R1803	VRS-CY1JF223J		22k 1/16W Metal Oxide	AA
R1804	VRS-CY1JF223F		22k 1/16W Metal Oxide	AA
R1805	VRS-CY1JF222J		2.2k 1/16W Metal Oxide	AA
R1806	VRS-CY1JF222J		2.2k 1/16W Metal Oxide	AA
R1807	VRS-CY1JF102J		1k 1/16W Metal Oxide	AA
R1808	VRS-CY1JF474J		470k 1/16W Metal Oxide	AA
R1809	VRS-CY1JF271J		270 1/16W Metal Oxide	AA
R1810	VRS-CY1JF102J		1k 1/16W Metal Oxide	AA
R1811	VRS-CY1JF104F		100k 1/16W Metal Oxide	AA
R1812	VRS-CY1JF331J		330 1/16W Metal Oxide	AA
R1813	VRS-CY1JF331J		330 1/16W Metal Oxide	AA
R1816	VRS-CY1JF102J		1k 1/16W Metal Oxide	AA
R1817	VRS-CY1JF683J		68k 1/16W Metal Oxide	AA
R1818	VRS-CY1JF393J		39k 1/16W Metal Oxide	AA
R1819	VRS-CY1JF153J		15k 1/16W Metal Oxide	AA
R1820	VRS-CY1JF391J		390 1/16W Metal Oxide	AA
R1821	VRS-CY1JF102J		1k 1/16W Metal Oxide	AA
R1822	VRS-CY1JF333J		33k 1/16W Metal Oxide	AA
R1823	VRS-CY1JF564J		560k 1/16W Metal Oxide	AA
R1824	VRS-CY1JF104J		100k 1/16W Metal Oxide	AA
R1825	VRS-CY1JF473J		47k 1/16W Metal Oxide	AA
R1826	VRS-CY1JF183J		18k 1/16W Metal Oxide	AA
R1827	VRS-CY1JF333J		33k 1/16W Metal Oxide	AA
R1828	VRS-CY1JF683J		68k 1/16W Metal Oxide	AA
R1829	VRS-CY1JF472F		4.7k 1/16W Metal Oxide	AA
R1830	VRS-CY1JF272F		2.7k 1/16W Metal Oxide	AA
R1831	VRS-CY1JF105J		1M 1/16W Metal Oxide	AA
R1832	VRS-CY1JF104J		100k 1/16W Metal Oxide	AA
R1833	VRS-CY1JF822J		8.2k 1/16W Metal Oxide	AA
R1835	VRS-CY1JF562J		5.6k 1/16W Metal Oxide	AA
R1836	VRS-CY1JF101J		100 1/16W Metal Oxide	AA
R1838	VRS-CY1JF102J		1k 1/16W Metal Oxide	AA
R1839	VRS-CY1JF101J		100 1/16W Metal Oxide	AA
R1840	VRS-CY1JF272J		2.7k 1/16W Metal Oxide	AA
R1841	VRS-CY1JF102J		1k 1/16W Metal Oxide	AA
R1842	VRS-CY1JF272J		2.7k 1/16W Metal Oxide	AA
R1843	VRS-CY1JF102J		1k 1/16W Metal Oxide	AA
R1844	VRS-CY1JF101J		100 1/16W Metal Oxide	AA
R1845	VRS-CY1JF272J		2.7k 1/16W Metal Oxide	AA
R1846	VRS-CY1JF101J		100 1/16W Metal Oxide	AA
R1847	VRS-CY1JF183J		18k 1/16W Metal Oxide	AA
R1848	VRS-CY1JF471F		470 1/16W Metal Oxide	AA
R1849	VRS-CY1JF562J		5.6k 1/16W Metal Oxide	AA
R1850	VRS-CY1JF224J		220k 1/16W Metal Oxide	AA
R1851	VRS-CY1JF000J		0 1/16W Metal Oxide	AA
R1852	VRS-CY1JF561J		560 1/16W Metal Oxide	AA
R1853	VRS-CY1JF562J		5.6k 1/16W Metal Oxide	AA
R1854	VRS-CY1JF822J		8.2k 1/16W Metal Oxide	AA
R1855	VRS-CY1JF334J		330k 1/16W Metal Oxide	AA
R1856	VRS-CY1JF124J		120k 1/16W Metal Oxide	AA
R1858	VRS-CY1JF562J		5.6k 1/16W Metal Oxide	AA
R1859	VRS-CY1JF000J		0 1/16W Metal Oxide	AA
R1860	VRS-CY1JF105J		1M 1/16W Metal Oxide	AA
R1861	VRS-CY1JF223J		22k 1/16W Metal Oxide	AA
R1864	VRS-CY1JF106J		10M 1/16W Metal Oxide	AA
R1865	VRS-CY1JF433J		43k 1/16W Metal Oxide	AA
R1867	VRS-CY1JF101J		100 1/16W Metal Oxide	AA
R1868	VRS-CY1JF563J		56k 1/16W Metal Oxide	AA
R1869	VRS-CY1JF474J		470k 1/16W Metal Oxide	AA
R1870	VRS-CY1JF685J		6.8M 1/16W Metal Oxide	AA
R1871	VRS-CY1JF153J		15k 1/16W Metal Oxide	AA
R1872	VRS-CY1JF103J		10k 1/16W Metal Oxide	AA
R1873	VRS-CY1JF103J		10k 1/16W Metal Oxide	AA
R1874	VRS-CY1JF273J		27k 1/16W Metal Oxide	AA
R1877	VRS-CY1JF101J		100 1/16W Metal Oxide	AA
R1878	VRS-CY1JF101J		100 1/16W Metal Oxide	AA
R1879	VRS-TQ2BD100J		10 1/8W Metal Oxide	AA
R1880	VRS-TW2ED220J		22 1/4W Metal Oxide	AB
R1881	VRS-CY1JF102F		1k 1/16W Metal Oxide	AA
R1882	VRS-CY1JF222F		2.2k 1/16W Metal Oxide	AA
R1884	VRS-CY1JF100J		10 1/16W Metal Oxide	AA
R1885	VRS-CY1JF102F		1k 1/16W Metal Oxide	AA
R1886	VRS-CY1JF000J		0 1/16W Metal Oxide	AA
R1888	VRS-CY1JF000J		0 1/16W Metal Oxide	AA
R1889	VRS-CY1JF000J		0 1/16W Metal Oxide	AA
R1890	VRS-CY1JF473J		47k 1/16W Metal Oxide	AA
R1891	VRS-CY1JF393J		39k 1/16W Metal Oxide	AA
R1893	VRS-CY1JF104J		100k 1/16W Metal Oxide	AA
R1894	VRS-CY1JF223J		22k 1/16W Metal Oxide	AA
R1899	VRS-CY1JF103J		10k 1/16W Metal Oxide	AA
R2201	VRS-CY1JF223J		22k 1/16W Metal Oxide	AA
R2202	VRS-CY1JF471J		470 1/16W Metal Oxide	AA
R2203	VRS-CY1JF821J		820 1/16W Metal Oxide	AA
R2204	VRS-CY1JF103J		10k 1/16W Metal Oxide	AA
R2205	VRS-CY1JF271J		270 1/16W Metal Oxide	AA
R2206	VRS-CY1JF271J		270 1/16W Metal Oxide	AA
R2207	VRS-CY1JF223J		22k 1/16W Metal Oxide	AA
R2208	VRS-CY1JF620J		62 1/16W Metal Oxide	AA
R2209	VRS-CY1JF620J		62 1/16W Metal Oxide	AA
R2210	VRS-CY1JF680F		68 1/16W Metal Oxide	AA
R2211	VRS-CY1JF103J		10k 1/16W Metal Oxide	AA
R2212	VRS-CY1JF102J		1k 1/16W Metal Oxide	AA
R2218	VRS-CY1JF103J		10k 1/16W Metal Oxide	AA
R2220	VRS-CY1JF102J		1k 1/16W Metal Oxide	AA
R2221	VRS-CY1JF102J		1k 1/16W Metal Oxide	AA
R2222	VRS-CY1JF103J		10k 1/16W Metal Oxide	AA
R2224	VRS-CY1JF103J		10k 1/16W Metal Oxide	AA
R2226	VRS-CY1JF103J		10k 1/16W Metal Oxide	AA
R2227	VRS-CY1JF000J		0 1/16W Metal Oxide	AA
R2228	VRS-CY1JF750J		75 1/16W Metal Oxide	AA
R2229	VRS-CY1JF221J		220 1/16W Metal Oxide	AA
R2230	VRS-CY1JF221J		220 1/16W Metal Oxide	AA
R2232	VRS-CY1JF4R7J		4.7 1/16W Metal Oxide	AA
R2237	VRS-CY1JF103J		10k 1/16W Metal Oxide	AA
R3209	VRS-CY1JF102J		1k 1/16W Metal Oxide	AA
R3220	VRS-CY1JF473J		47k 1/16W Metal Oxide	AA
R3221	VRS-CY1JF473J		47k 1/16W Metal Oxide	AA
R5101	VRS-CY1JF104J		100k 1/16W Metal Oxide	AA
R5102	VRS-CY1JF223J		22k 1/16W Metal Oxide	AA
R5501	VRS-CY1JF473J		47k 1/16W Metal Oxide	AA
R5502	VRS-CY1JF473J		47k 1/16W Metal Oxide	AA
R5503	VRS-CY1JF223J		22k 1/16W Metal Oxide	AA
R5504	VRS-CY1JF123J		12k 1/16W Metal Oxide	AA
R5505	VRS-CY1JF103J		10k 1/16W Metal Oxide	AA
R5506	VRS-CY1JF103J		10k 1/16W Metal Oxide	AA
R5507	VRS-CY1JF473J		47k 1/16W Metal Oxide	AA
R5511	VRS-CY1JF101J		100 1/16W Metal Oxide	AA
R5514	VRS-CY1JF101J		100 1/16W Metal Oxide	AA
R5515	VRS-CY1JF101J		100 1/16W Metal Oxide	AA
R5516	VRS-CY1JF101J		100 1/16W Metal Oxide	AA

DUNTK6038KE51(DV-L88S/S(H))
DUNTK6038KE52(DV-L88W/W(A))
POWER PWB UNIT(Continued)

Ref. No.	Part No.	★	Description	Code
R5517	VRS-CY1JF101J		100 1/16W Metal Oxide	AA
R5518	VRS-CY1JF101J		100 1/16W Metal Oxide	AA
R5519	VRS-CY1JF564F		560k 1/16W Metal Oxide	AA
R5520	VRS-CY1JF564F		560k 1/16W Metal Oxide	AA
R5521	VRS-CY1JF332J		3.3k 1/16W Metal Oxide	AA
R5522	VRS-CY1JF182J		1.8k 1/16W Metal Oxide	AA
R5523	VRS-CY1JF101J		100 1/16W Metal Oxide	AA
R5524	VRS-CY1JF101J		100 1/16W Metal Oxide	AA
R5525	VRS-CY1JF471J		470 1/16W Metal Oxide	AA
R5526	VRS-CY1JF101J		100 1/16W Metal Oxide	AA
R5527	VRS-CY1JF101J		100 1/16W Metal Oxide	AA
R5529	VRS-CY1JF103J		10k 1/16W Metal Oxide	AA
R5530	VRS-CY1JF103J		10k 1/16W Metal Oxide	AA
R5531	VRS-CY1JF103J		10k 1/16W Metal Oxide	AA
R5539	VRS-CY1JF101J		100 1/16W Metal Oxide	AA
R5540	VRS-CY1JF101J		100 1/16W Metal Oxide	AA
R5549	VRS-CY1JF000J		0 1/16W Metal Oxide	AA
R5550	VRS-CY1JF103J		10k 1/16W Metal Oxide	AA
R5565	VRS-CY1JF106J		10M 1/16W Metal Oxide	AA
R5566	VRS-CY1JF103J		10k 1/16W Metal Oxide	AA
R5567	VRS-CY1JF105J		1M 1/16W Metal Oxide	AA
R5568	VRS-CY1JF101J		100 1/16W Metal Oxide	AA
R5569	VRS-CY1JF104J		100k 1/16W Metal Oxide	AA
R5571	VRS-CY1JF105J		1M 1/16W Metal Oxide	AA
R5572	VRS-CY1JF101J		100 1/16W Metal Oxide	AA
R5573	VRS-CY1JF471J		470 1/16W Metal Oxide	AA
R5574	VRS-CY1JF471J		470 1/16W Metal Oxide	AA
R5575	VRS-CY1JF103J		10k 1/16W Metal Oxide	AA
R5576	VRS-CY1JF105J		1M 1/16W Metal Oxide	AA
R5577	VRS-CY1JF334F		330k 1/16W Metal Oxide	AA
R5578	VRS-CY1JF273F		27k 1/16W Metal Oxide	AA
R5579	VRS-CY1JF474F		470k 1/16W Metal Oxide	AA
R5580	VRS-CY1JF334F		330k 1/16W Metal Oxide	AA
R5582	VRS-CY1JF474F		470k 1/16W Metal Oxide	AA
R5584	VRS-CY1JF103J		10k 1/16W Metal Oxide	AA
R5585	VRS-CY1JF102J		1k 1/16W Metal Oxide	AA
R5586	VRS-CB1JF101J		100 1/16W Metal Oxide	AA
R5587	VRS-CB1JF101J		100 1/16W Metal Oxide	AA
R5588	VRS-CB1JF101J		100 1/16W Metal Oxide	AA
R5589	VRS-CB1JF101J		100 1/16W Metal Oxide	AA
R5590	VRS-CY1JF332J		3.3k 1/16W Metal Oxide	AA
R5591	VRS-CY1JF472J		4.7k 1/16W Metal Oxide	AA
R5594	VRS-CY1JF102J		1k 1/16W Metal Oxide	AA
R5595	VRS-CY1JF102J		1k 1/16W Metal Oxide	AA
R6001	VRS-CY1JF000J		0 1/16W Metal Oxide	AA
R6004	VRS-CY1JF000J		0 1/16W Metal Oxide (L88W/W(A))	AA
R6005	VRS-CY1JF000J		0 1/16W Metal Oxide	AA
R6017	VRS-CY1JF561J		560 1/16W Metal Oxide	AA
R6018	VRS-CY1JF561J		560 1/16W Metal Oxide	AA
R6604	VRS-CY1JF153J		15k 1/16W Metal Oxide (L88W/W(A))	AA
R6604	VRS-CY1JF223J		22k 1/16W Metal Oxide (L88S/S(H))	AA
R6605	VRS-CY1JF153J		15k 1/16W Metal Oxide	AA
R6606	VRS-CY1JF103J		10k 1/16W Metal Oxide	AA
R6607	VRS-CY1JF103J		10k 1/16W Metal Oxide	AA
R6608	VRS-CY1JF183J		18k 1/16W Metal Oxide	AA
R6609	VRS-CY1JF183J		18k 1/16W Metal Oxide	AA
R6610	VRS-CY1JF153J		15k 1/16W Metal Oxide (L88W/W(A))	AA
R6610	VRS-CY1JF223J		22k 1/16W Metal Oxide (L88S/S(H))	AA
R6611	VRS-CY1JF104J		100k 1/16W Metal Oxide	AA
R6612	VRS-CY1JF104J		100k 1/16W Metal Oxide	AA
R6613	VRS-CY1JF104J		100k 1/16W Metal Oxide	AA
R6614	VRS-CY1JF221J		220 1/16W Metal Oxide (L88S/S(H))	AA
R6614	VRS-CY1JF681J		680 1/16W Metal Oxide (L88W/W(A))	AA
R6615	VRS-CY1JF104J		100k 1/16W Metal Oxide	AA
R6616	VRS-CY1JF153J		15k 1/16W Metal Oxide (L88W/W(A))	AA
R6616	VRS-CY1JF223J		22k 1/16W Metal Oxide (L88S/S(H))	AA
R6617	VRS-CY1JF153J		15k 1/16W Metal Oxide (L88W/W(A))	AA
R6617	VRS-CY1JF223J		22k 1/16W Metal Oxide (L88S/S(H))	AA
R6618	VRS-CY1JF104J		100k 1/16W Metal Oxide (L88S/S(H))	AA
R6618	VRS-CY1JF473J		47k 1/16W Metal Oxide (L88W/W(A))	AA
R6619	VRS-CY1JF103J		10k 1/16W Metal Oxide	AA
R6620	VRS-CY1JF153J		15k 1/16W Metal Oxide	AA
R6621	VRS-CY1JF474J		470k 1/16W Metal Oxide	AA
R6622	VRS-CY1JF103J		10k 1/16W Metal Oxide	AA
R6623	VRS-CY1JF100J		10 1/16W Metal Oxide	AA
R6624	VRS-CY1JF100J		10 1/16W Metal Oxide	AA
R6625	VRS-CY1JF104J		100k 1/16W Metal Oxide (L88S/S(H))	AA
R6625	VRS-CY1JF473J		47k 1/16W Metal Oxide (L88W/W(A))	AA
R6626	VRS-CY1JF100J		10 1/16W Metal Oxide	AA
R6627	VRS-CY1JF221J		220 1/16W Metal Oxide (L88S/S(H))	AA
R6627	VRS-CY1JF681J		680 1/16W Metal Oxide (L88W/W(A))	AA
R6628	VRS-CY1JF103J		10k 1/16W Metal Oxide	AA
R6629	VRS-CY1JF183J		18k 1/16W Metal Oxide	AA
R6630	VRS-CY1JF103J		10k 1/16W Metal Oxide	AA
R6631	VRS-CY1JF183J		18k 1/16W Metal Oxide	AA
R6632	VRS-CY1JF183J		18k 1/16W Metal Oxide	AA
R6633	VRS-CY1JF183J		18k 1/16W Metal Oxide	AA
R6634	VRS-CY1JF222J		2.2k 1/16W Metal Oxide	AA
R6635	VRS-CY1JF222J		2.2k 1/16W Metal Oxide	AA
R6636	VRS-CY1JF152J		1.5k 1/16W Metal Oxide	AA
R6637	VRS-CY1JF152J		1.5k 1/16W Metal Oxide	AA
R6638	VRS-CY1JF392J		3.9k 1/16W Metal Oxide	AA
R6639	VRS-CY1JF392J		3.9k 1/16W Metal Oxide	AA
R6640	VRS-CY1JF000J		0 1/16W Metal Oxide	AA
R6641	VRS-CY1JF272J		2.7k 1/16W Metal Oxide	AA
R6642	VRS-CY1JF272J		2.7k 1/16W Metal Oxide	AA
R6643	VRS-CY1JF104J		100k 1/16W Metal Oxide	AA
R6647	VRS-CY1JF104J		100k 1/16W Metal Oxide	AA
R6649	VRS-TW2ED1R8J		1.8 1/4W Metal Oxide	AA
R6650	VRS-TW2ED1R8J		1.8 1/4W Metal Oxide	AA
R6651	VRS-CY1JF151J		150 1/16W Metal Oxide	AA
R6652	VRS-CY1JF151J		150 1/16W Metal Oxide	AA
R6653	VRS-CY1JF102J		1k 1/16W Metal Oxide	AA
R6654	VRS-CY1JF102J		1k 1/16W Metal Oxide	AA
R6655	VRS-CY1JF222J		2.2k 1/16W Metal Oxide	AA
R6656	VRS-CY1JF222J		2.2k 1/16W Metal Oxide	AA
R6657	VRS-CY1JF123J		12k 1/16W Metal Oxide	AA
R6658	VRS-CY1JF123J		12k 1/16W Metal Oxide	AA
R6671	VRS-CY1JF103J		10k 1/16W Metal Oxide	AA
R6672	VRS-CY1JF104J		100k 1/16W Metal Oxide	AA
R9001	VRS-CY1JF272F		2.7k 1/16W Metal Oxide	AA
R9002	VRS-CY1JF182F		1.8k 1/16W Metal Oxide	AA
R9003	VRS-CY1JF103F		10k 1/16W Metal Oxide	AA
R9004	VRS-CY1JF103F		10k 1/16W Metal Oxide	AA
R9005	VRS-CY1JF393F		39k 1/16W Metal Oxide	AA
R9006	VRS-CY1JF822F		8.2k 1/16W Metal Oxide	AA
R9007	VRS-CY1JF103F		10k 1/16W Metal Oxide	AA
R9008	VRS-CY1JF123F		12k 1/16W Metal Oxide	AA
R9009	VRS-CY1JF103F		10k 1/16W Metal Oxide	AA
R9010	VRS-CY1JF562F		5.6k 1/16W Metal Oxide	AA
R9011	VRS-CY1JF103F		10k 1/16W Metal Oxide	AA
R9012	VRS-CY1JF103F		10k 1/16W Metal Oxide	AA
R9013	VRS-CY1JF105J		1M 1/16W Metal Oxide	AA
R9014	VRS-CY1JF105J		1M 1/16W Metal Oxide	AA
R9015	VRS-CY1JF273F		27k 1/16W Metal Oxide	AA
R9017	VRS-CY1JF333F		33k 1/16W Metal Oxide	AA
R9018	VRS-CY1JF104F		100k 1/16W Metal Oxide	AA
R9019	VRS-CY1JF392F		3.9k 1/16W Metal Oxide	AA
R9020	VRS-CY1JF273F		27k 1/16W Metal Oxide	AA

Ref. No.	Part No.	★	Description	Code

DUNTK6038KE51(DV-L88S/S(H))
DUNTK6038KE52(DV-L88W/W(A))
POWER PWB UNIT(Continued)

R9021	VRS-CY1JF272F	2.7k	1/16W	Metal Oxide		AA
R9022	VRS-CY1JF102F	1k	1/16W	Metal Oxide		AA
R9023	VRS-CY1JF103F	10k	1/16W	Metal Oxide		AA
R9024	VRS-CY1JF103F	10k	1/16W	Metal Oxide		AA
R9025	VRS-CY1JF103F	10k	1/16W	Metal Oxide		AA
R9026	VRS-CY1JF103F	10k	1/16W	Metal Oxide		AA
R9027	VRS-CY1JF103F	10k	1/16W	Metal Oxide		AA
R9028	VRS-CY1JF105J	1M	1/16W	Metal Oxide		AA
R9029	VRS-CY1JF105J	1M	1/16W	Metal Oxide		AA
R9030	VRS-CY1JF103F	10k	1/16W	Metal Oxide		AA
R9031	VRS-CY1JF104J	100k	1/16W	Metal Oxide		AA
R9032	VRS-CY1JF104J	100k	1/16W	Metal Oxide		AA
R9035	VRS-CY1JF331F	330	1/16W	Metal Oxide		AA
R9036	VRS-CY1JF561F	560	1/16W	Metal Oxide		AA
R9037	VRS-CY1JF561F	560	1/16W	Metal Oxide		AA
R9038	VRS-CY1JF561F	560	1/16W	Metal Oxide		AA
R9039	VRS-CY1JF684J	680k	1/16W	Metal Oxide		AA
R9040	VRS-CY1JF182F	1.8k	1/16W	Metal Oxide		AA
R9041	VRS-CY1JF183J	18k	1/16W	Metal Oxide		AA
R9044	VRS-CY1JF000J	0	1/16W	Metal Oxide		AA
R9045	VRS-CY1JF000J	0	1/16W	Metal Oxide		AA
R9046	VRS-CY1JF000J	0	1/16W	Metal Oxide		AA
R9047	VRS-CY1JF000J	0	1/16W	Metal Oxide		AA
R9048	VRS-CY1JF000J	0	1/16W	Metal Oxide		AA
R9050	VRS-CY1JF000J	0	1/16W	Metal Oxide		AA
R9051	VRS-CY1JF000J	0	1/16W	Metal Oxide		AA
R9052	VRS-CY1JF000J	0	1/16W	Metal Oxide		AA
R9053	VRS-TQ2BD000J	0	1/8W	Metal Oxide		AA
R9905	VRS-CY1JF103J	10k	1/16W	Metal Oxide		AA
R9906	VRS-CY1JF681J	680	1/16W	Metal Oxide		AA
R9909	VRS-CY1JF103J	10k	1/16W	Metal Oxide		AA
R9910	VRS-CY1JF681J	680	1/16W	Metal Oxide		AA
R9913	VRS-CY1JF103J	10k	1/16W	Metal Oxide		AA
R9914	VRS-CY1JF681J	680	1/16W	Metal Oxide		AA

BALUNES

FB901	RBLN-0053TAZZ	Balun, BLN-0053TA	AB
FB3201	RBLN-0052TAZZ	Balun, BLN-0052TA	AC
FB3202	RBLN-0052TAZZ	Balun, BLN-0052TA	AC
FB5501	RBLN-0077TAZZ	Balun, BLN-0077TA (L88S/S(H))	AB
FB5503	RBLN-0053TAZZ	Balun, BLN-0053TA	AB
FB6001	RBLN-0081TAZZ	Balun, BLN-0081TA	AB
FB9011	RBLN-0051TAZZ	Balun, BLN-0051TA	AC
FB9012	RBLN-0051TAZZ	Balun, BLN-0051TA	AC
FB9013	RBLN-0051TAZZ	Balun, BLN-0051TA	AC
FB9014	RBLN-0051TAZZ	Balun, BLN-0051TA	AC
FB9015	RBLN-0056TAZZ	Balun, BLN-0056TA	AC
FB9022	RBLN-0081TAZZ	Balun, BLN-0081TA	AB
FB9023	RBLN-0081TAZZ	Balun, BLN-0081TA	AB
FB9026	RBLN-0081TAZZ	Balun, BLN-0081TA	AB
FB9027	RBLN-0081TAZZ	Balun, BLN-0081TA	AB
FB9030	RBLN-0081TAZZ	Balun, BLN-0081TA	AB
FB9031	RBLN-0081TAZZ	Balun, BLN-0081TA	AB
FB9034	RBLN-0081TAZZ	Balun, BLN-0081TA	AB
FB9035	RBLN-0081TAZZ	Balun, BLN-0081TA	AB
FB9037	RBLN-0053TAZZ	Balun, BLN-0053TA	AB
FB9038	RBLN-0081TAZZ	Balun, BLN-0081TA	AB
R6004	RBLN-0081TAZZ	Balun, BLN-0081TA (L88S/S(H))	AB

MISCELLANEOUS PARTS

CN901	QPLGN0176FJZZ	Plug, 4Pin	AD
CN1800	QPLGN1276TAZZ	Plug, 12Pin	AF
CN1801	QPLGN0976TAZZY	Plug, 9Pin	AE
CN1802	QPLGN1076TAZZY	Plug, 10Pin	AE
CN5001	QSOCN0671TAZZ	Socket, 6Pin	AC
CN6601	QSOCZ0013FJZZY	Socket, 30Pin	AF
CN9901	QSOCZ0013FJZZY	Socket, 30Pin	AF
⚠ F901	QFS-L4021GEZZ	Fuse, 4A	AF
⚠ F902	QFS-L4021GEZZ	Fuse, 4A	AF
J2001	QSOCD0430CEZZ	Socket, 6Pin	AE
J2002	QJAKG0041CEZZ	Jack, 7Pin	AG
J901	QJAKC0021GEZZ	Jack, DC	AD

DUNTK6040KE51(DV-L88S/S(H))
DUNTK6040KE52(DV-L88W/W(A))
OPERATE PWB UNIT

DIODES

D4401	VHDDA221///-1	DA221	AB
D4402	VHDDA221///-1	DA221	AB

CAPACITOR

C4401	VCKYCY1CB104K	0.1	16V	Ceramic	AB

RESISTORS

R4401	VRS-CY1JF121J	120	1/16W	Metal Oxide		AA
R4403	VRS-CY1JF151J	150	1/16W	Metal Oxide		AA
R4404	VRS-CY1JF181J	180	1/16W	Metal Oxide		AA
R4405	VRS-CY1JF221J	220	1/16W	Metal Oxide		AA
R4406	VRS-CY1JF331J	330	1/16W	Metal Oxide		AA
R4407	VRS-CY1JF561J	560	1/16W	Metal Oxide		AA
R4408	VRS-CY1JF821J	820	1/16W	Metal Oxide		AA
R4409	VRS-CY1JF152J	1.5k	1/16W	Metal Oxide		AA
R4410	VRS-CY1JF562J	5.6k	1/16W	Metal Oxide		AA

SWITCHES

S4401	QSW-K0115GEZZ	Switch, Vol Down	AC
S4402	QSW-K0115GEZZ	Switch, Vol Up	AC
S4403	QSW-K0115GEZZ	Switch, Return	AC
S4404	QSW-K0115GEZZ	Switch, Enter	AC
S4405	QSW-K0115GEZZ	Switch, Down	AC
S4406	QSW-K0115GEZZ	Switch, Left	AC
S4407	QSW-K0115GEZZ	Switch, Right	AC
S4408	QSW-K0115GEZZ	Switch, Up	AC
S4409	QSW-K0115GEZZ	Switch, Setup/ADJ	AC
S4410	QSW-K0115GEZZ	Switch, DVD/Input	AC

MISCELLANEOUS PARTS

CN4401	QSOCN0671TAZZ	Socket, 6Pin	AC
CN4402	QPLGN0263TAZZ	Plug, 2Pin	AB

DUNTK6041KE51(DV-L88S/S(H))
DUNTK6041KE52(DV-L88W/W(A))
RF&MOTOR PWB UNIT

CAPACITORS

C7301	VCKYCY0JF105Z	1	6.3V	Ceramic	AB
C7302	VCKYCY0JF105Z	1	6.3V	Ceramic	AB
C7303	VCKYCY0JF105Z	1	6.3V	Ceramic	AB
C7304	VCKYCY0JF105Z	1	6.3V	Ceramic	AB
C7305	VCKYCY0JF105Z	1	6.3V	Ceramic	AB

RESISTOR

R7301	VRS-CY1JF102J	1k	1/16W	Metal Oxide		AA

MISCELLANEOUS PARTS

CN7301	QSOCN3072TAZZ	Socket, 30Pin	AE
CN7302	QPLGN0263TAZZ	Plug, 2Pin	AB
CN7303	QSOCN1371TAZZ	Socket, 13Pin	AD
CN7304	QCNCM5002GEZZY	Connector, 50Pin	AG

Ref. No.	Part No.	★	Description	Code

DUNTK6052KE51(DV-L88S/S(H))
DUNTK6052KE52(DV-L88W/W(A))
LCD SW PWB UNIT

SWITCH

	S8801	QSW-M0024TAZZ	Switch	AE

SUPPLIED ACCESSORIES

⚠		QACCK0006TAZZ	AC Cord(L88S/W(A))	AL
⚠		QACCB0016TAZZ	AC Cord(L88S(H)/W)	AV
		QCNW-1335TAZZ	Video/Audio Cable (L88W/W(A))	AM
		RPHOH0001GEZZ	Headphone	AR
		RRMCG1282GESA	Remote Control Unit	AR
		TiNS-3766GEZZ	DVD Caution Label	AF
		TiNS-3977GEZZ	Quick Guide Label (L88S/S(H))	
		TiNS-3973GEZZ	Operation Manual (English/Hong Kong) (L88W/W(A))	AZ
		TiNS-3974GEZZ	Operation Manual (English/Spain/Sweden/Arabia) (L88S/S(H))	
		TiNS-3975GEZZ	Operation Manual (Germany/France/Italy/Holland) (L88S)	
⚠		UADP-0219GEZZ	AC Adapter	BC
		UBATL0011TAZZ	Lithium Battery	AE

PACKING PARTS
(NOT REPLACEMENT ITEM)

	SPAKC4617GEZZ	Packing Case(L88S)	—
	SPAKC4710GEZZ	Packing Case(L88S(H))	—
	SPAKC4613GEZZ	Packing Case(L88W/W(A))	—
	SPAKF0244GEZZ	Accessories Case	—
	SPAKF0245GEZZ	Packing Material(L88S)	—
	SPAKL0047CEZZ	Stopper	—
	SPAKP0196GEZZ	Polyethylene Bag	—
	SPAKP0204GEZZ	Polyethylene Bag(L88S/S(H))	—
	SPAKX1116GEZZ	Packing Add.(L88W/W(A))	—
	SPAKX1117GEZZ	Packing Add.(L88S/S(H))	—
	SPAKX1118GEZZ	Packing Add.(L88S/S(H))	—
	SSAKA0100TAZZ	Polyethylene Bag, Accessories(L88S(H)/W/W(A))	—
	SSAKA0170CEZZ	Polyethylene Bag, Accessories(L88S)	—
	SSAKH0015GEZZ	Polyethylene Bag (L88W/W(A))	—

MECHANISM PARTS

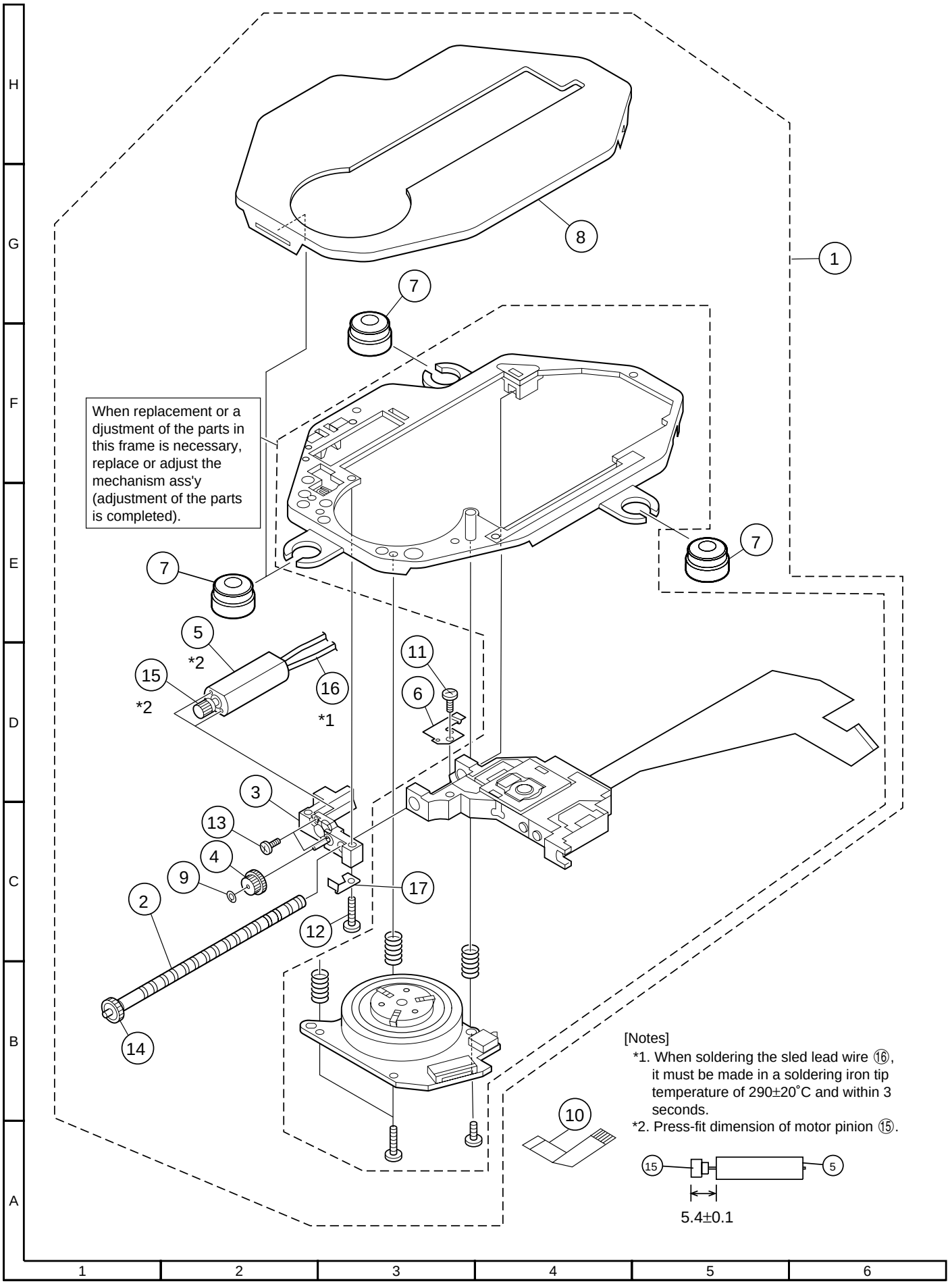
1	DMECD0004GE04	Mechanism Ass'y	BS
2	NSFTD0063GEZZ	Main Guide	AH
3	LHLDZ2070GEZZ	Sled Unit	AD
4	NGERH1328GEZZ	Intermediate Gear	AC
5	RMOTV1037GEZZ	Sled Motor	AN
6	MSPRP0199GEZZ	Grip Spring	AC
7	PCUSG0013GEZZ	Insulator	AC
8	PCOVP3021GEZZ	PU Cover	AF
9	LX-WZ1053GE00	Cut Washer	AA
10	QCNW-8557GEZZ	Spindle Motor FFC	AE
11	XAPSF17P03000	Screw M1.7 X L3	AA
12	XAPSN17P06000	Screw M1.7 X L6 Ni Plating	AB
13	LX-BZ3220GEZZ	Screw M1.2 X L2.7	AB
14	NGERH1327GEZZ	Main Guide Gear	AC
15	NGERH1329GEZZ	Motor Pinion	AC
16	QCNW-8558GEZZ	Sled Lead Wire	AE
17	MSPRP1217GEZZ	Earth Spring	AD

CABINET PARTS

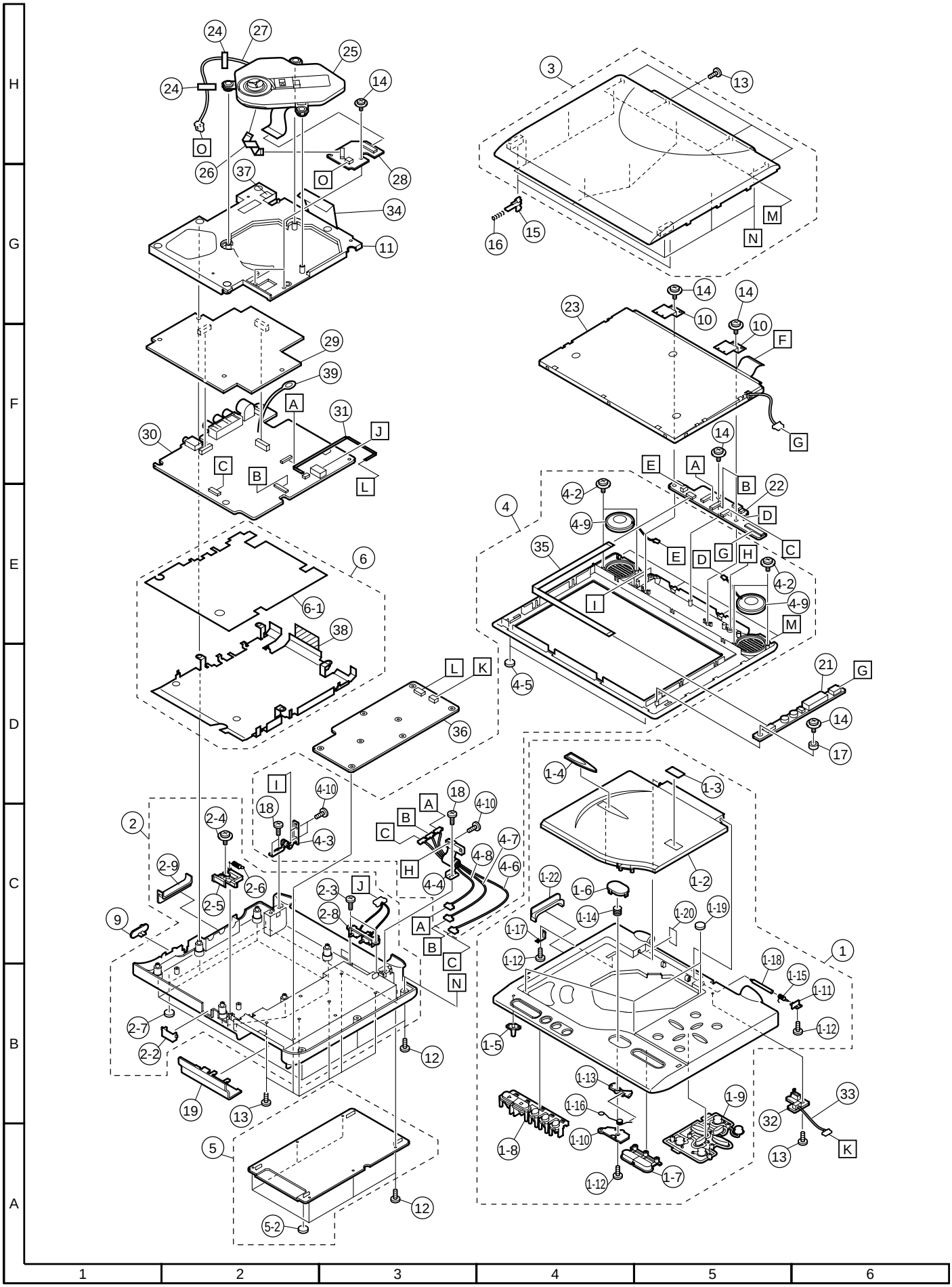
1	CCABA1138GEK1	Cabinet A Ass'y	BF
1-2	GFTAT1036GEKA	Disc Cover	AR
1-3	HBDGS0102GESA	DVD Badge	AD
1-4	HDECP0269GESA	Disc Window	AE
1-5	HDECQ2336GESA	A/C Window	AF
1-6	JBTN-3115GESA	Open Button	AH
1-7	JBTN-3116GESA	Volume Key	AH
1-8	JBTN-3117GESA	Mode Key	AH
1-9	JBTN-3118GESA	Cursor Buttons	AK
1-10	LHLDZ2149GEZZ	Lock Holder	AD
1-11	LHLDZ2153GEZZ	Shaft Holder	AD
1-12	LX-HZ0018TAZZ	Screw	AA
1-13	MLEVP0338GEZZ	D. Cover Lock	AE
1-14	MSPRC0250GEZZ	D. Up Spring	AC
1-15	MSPRD0203GEZZ	Disk Up Spring	AB
1-16	MSPRD0204GEZZ	Button Lock Spring	AB
1-17	MSPRP0212GEZZ	Catch Spring	AC
1-18	NSFTT0190AJZZ	Disc Cover Shaft	AC
1-19	PCAPH0102GEZZ	Gum Cap	AB
1-20	PSPAZ0636GEZZ	D. Cover Spacer	AD
1-22	GCOVA2196GESA	Jack Cover-T	AG
2	CCABB1243GEK1	Cabinet B Ass'y	BA
2-2	HDECQ2337GESA	R/C Window	AE
2-3	LX-HZ0018TAZZ	Screw	AA
2-4	LX-HZ3094CEFD	Screw	AA
2-5	MLEVP0339GESA	Release Lever	AD
2-6	MSPRT0437GEZZ	Battery Lever Spring	AB
2-7	PGUMM0064GEZZ	Stopper Gum	AC
2-8	QTANZ0008GEZZ	Battery Connection Terminal	AM
2-9	GCOVA2197GESA	Jack Cover-B	AH
3	CCABC1009GEK2	Cabinet C Ass'y	AW
4	CCABD1011GEK1	Cabinet D Ass'y	BE
4-2	LX-HZ3094CEFD	Screw	AA
4-3	MHNG-3022GEZZ	Hinge L	AM
4-4	MHNG-3023GEZZ	Hinge R	AG
4-5	PCAPH0102GEZZ	Gum Cap	AB
4-6	QCNW-8562GEZZ	Power-LCD Harness	AK
4-7	QCNW-8563GEZZ	Power-LCD Harness	AK
4-8	QCNW-8564GEZZ	Power-LCD Harness	AK
4-9	VSP0028PB438N	Speaker	AN
4-10	XiPSN20P04000	Screw	AA
5	CCOVA2191GEK2	Battery Cover Ass'y	AP
5-2	PGUMM0064GEZZ	Stopper Gum	AC
6	CSLDM0112GE01	Shield Plate Ass'y	AM
6-1	PSHEP0042GEZZ	Plate Sheet	AF
9	JKNBK1132GESA	Power SW Knob	AE
10	LANGT9194GEZZ	LCD Fixing Angle	AC

Ref. No.	Part No.	★	Description	Code
11	LHLDZ2150GEZZ		Mecha Holder	AS
12	LX-HZ0017TAFF		Screw	AA
13	LX-HZ0018TAZZ		Screw	AA
14	LX-HZ3094CEFD		Screw	AA
15	MLEVP0334GEZZ		LCD Lock Lever	AD
16	MSPRC0247GEZZ		Lock Lever Spring	AB
17	PSPAZ0622GEZZ		Inverter Spacer	AC
18	XiPSN20P04000		Screw	AA
19	GDORF2301GEKA		Battery Door	AK
21	RUNTK0821GEZZ		Inverter Unit	BB
22	DUNTK6037KE51		LCD CTL PWB Unit (L88S/S(H))	—
22	DUNTK6037KE52		LCD CTL PWB Unit (L88W/W(A))	—
23	RLCDT0002GEZZ		LCD Panel Unit	CR
24	ZTAPEZ800010E		Hold Tape	AA
25	DMECD0004GE04		Mechanism Ass'y	BS
26	QCNW-8557GEZZ		Spindle Motor FFC	AE
27	QCNW-8558GEZZ		Sled Lead	AE
28	DUNTK6041KE51		RF&Motor PWB Unit (L88S/S(H))	—
28	DUNTK6041KE52		RF&Motor PWB Unit (L88W/W(A))	—
29	DUNTK6036KE51		Main PWB Unit (L88S/S(H))	—
29	DUNTK6036KE52		Main PWB Unit (L88W/W(A))	—
30	DUNTK6038KE51		Power PWB Unit (L88S/S(H))	—
30	DUNTK6038KE52		Power PWB Unit (L88W/W(A))	—
31	QCNW-8565GEZZ		Operate-Power FFC	AE
32	DUNTK6052KE51		LCD SW PWB Unit (L88S/S(H))	—
32	DUNTK6052KE52		LCD SW PWB Unit (L88W/W(A))	—
33	QCNW-8613GEZZ		LCD-Operate Lead	AD
34	PSLDM0115GEFW		Shield Tape	AC
35	QCNW-8370GEZZ		LCD-Inverter FFC	AE
36	DUNTK6040KE51		Operate PWB Unit (L88S/S(H))	—
36	DUNTK6040KE52		Operate PWB Unit (L88W/W(A))	—
37	PSLDM0115GEZZ		Shield Tape(L88S/S(H))	
38	PSLDM0116GEZZ		Shield Tape(L88S/S(H))	
39	QCNW-8621GEZZ		Lead(L88S/S(H))	

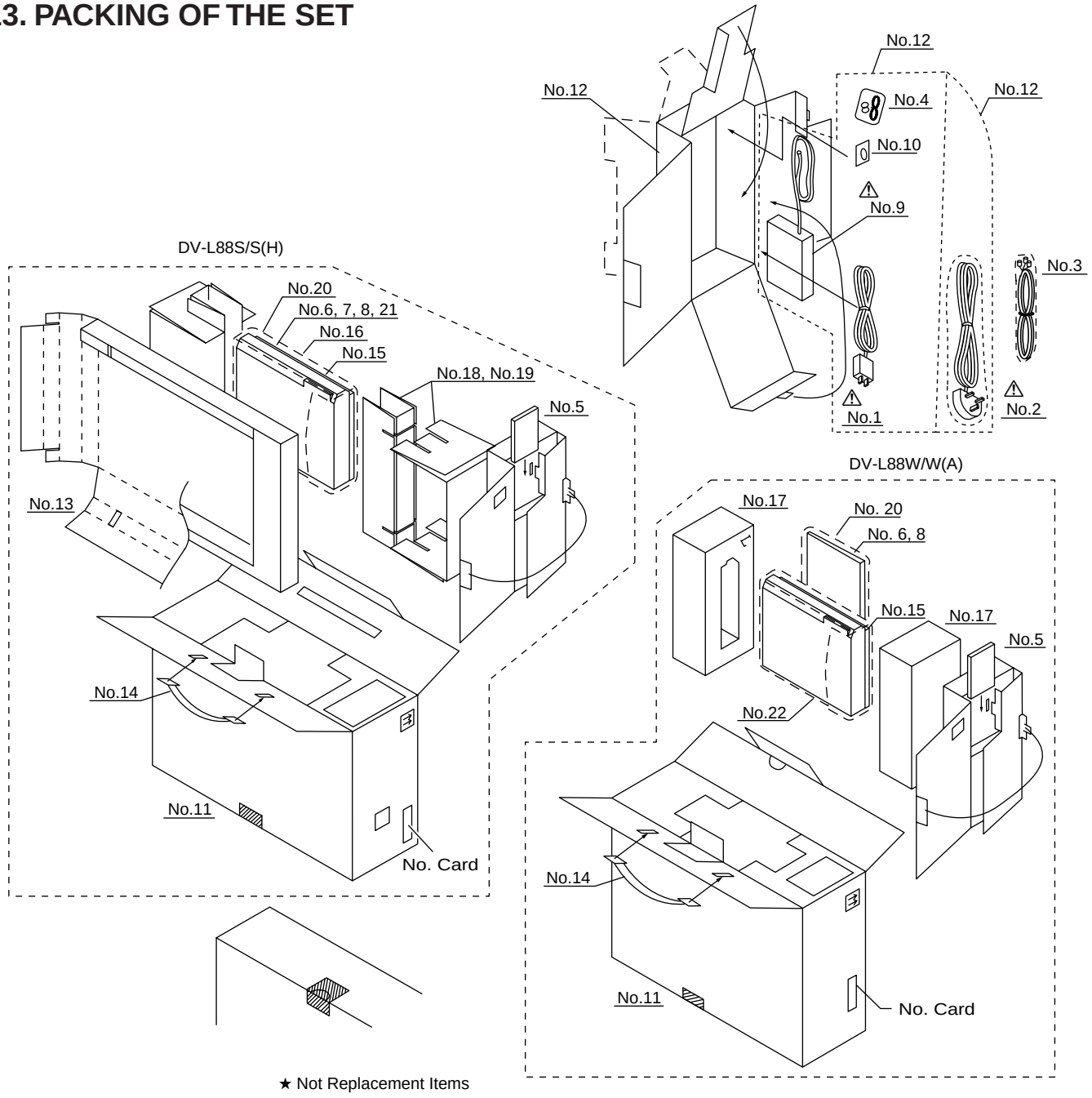
MECHANISM EXPLODED VIEW


When replacement or a djustment of the parts in this frame is necessary, replace or adjust the mechanism ass'y (adjustment of the parts is completed).
[Notes]
*1. When soldering the sled lead wire ⑯, it must be made in a soldering iron tip temperature of 290±20˚C and within 3 seconds.
*2. Press-fit dimension of motor pinion ⑮.
5.4±0.1

CABINET EXPLODED VIEW



13. PACKING OF THE SET



★ Not Replacement Items

ACCESSORIES

No.	Model	Parts Code	Description	Remarks
1	L88S/W(A)	QACCK0006TAZZ	AC Cord	⚠
2	L88S(H)/W	QACCB0016TAZZ	AC Cord	⚠
3	L88W/W(A)	QCNW-1335TAZZ	Video/Audio Cable	
4	– Common parts –	RPHOH0001GEZZ	Headphone	
5	– Common parts –	RRMCG1282GESA	Remote Control Unit	
6	– Common parts –	TiNS-3766GEZZ	DVD Caution Label	
7	L88S/S(H)	TiNS-3977GEZZ	Quick Guide Label	
8	L88W/W(A)	TiNS-3973GEZZ	Operation Manual (English/Hong Kong)	
	L88S/S(H)	TiNS-3974GEZZ	Operation Manual (English/Spain/Sweden/Arabia)	
	L88S	TiNS-3975GEZZ	Operation Manual (Germany/France/Italy/Holland)	
9	– Common parts –	UADP-0219GEZZ	AC Adapter	⚠
10	– Common parts –	UBATL0011TAZZ	Lithium Battery	

PACKING PARTS *(NOT REPLACEMENT ITEM)*

No.	Model	Parts Code	Description	Remarks
11	L88S	SPAKC4617GEZZ	Packing Case	★
	L88S(H)	SPAKC4710GEZZ	Packing Case	★
	L88W/W(A)	SPAKC4613GEZZ	Packing Case	★
12	– Common parts –	SPAKF0244GEZZ	Accessories Case	★
13	L88S	SPAKF0245GEZZ	Packing Material	★
14	– Common parts –	SPAKL0047CEZZ	Stopper	★
15	– Common parts –	SPAKP0196GEZZ	Polyethylene Bag	★
16	L88S/S(H)	SPAKP0204GEZZ	Polyethylene Bag	★
17	L88W/W(A)	SPAKX1116GEZZ	Packing Add.	★
18	L88S/S(H)	SPAKX1117GEZZ	Packing Add.	★
19	L88S/S(H)	SPAKX1118GEZZ	Packing Add.	★
20	L88S(H)/W/W(A)	SSAKA0100TAZZ	Polyethylene Bag, Accessories	★
21	L88S	SSAKA0170CEZZ	Polyethylene Bag, Accessories	★
22	L88W/W(A)	SSAKH0015GEZZ	Polyethylene Bag	★

MARK ★ Not Replacement Item